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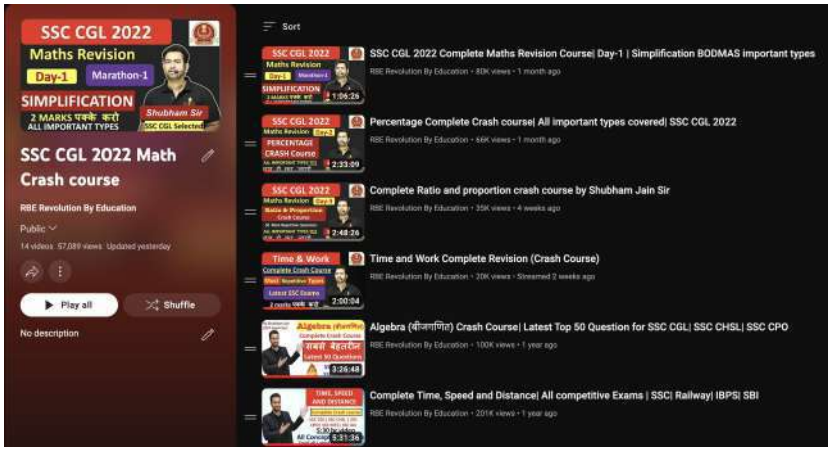
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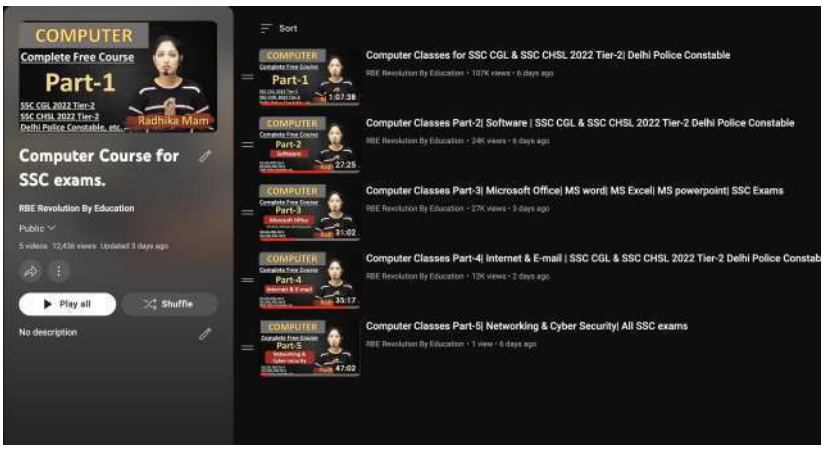
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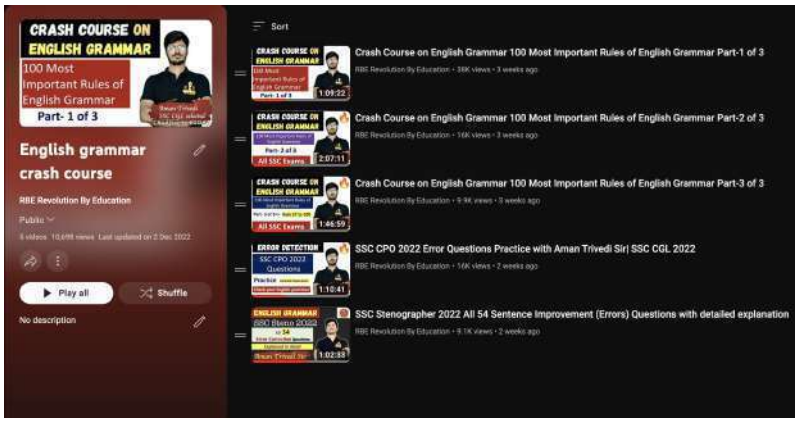
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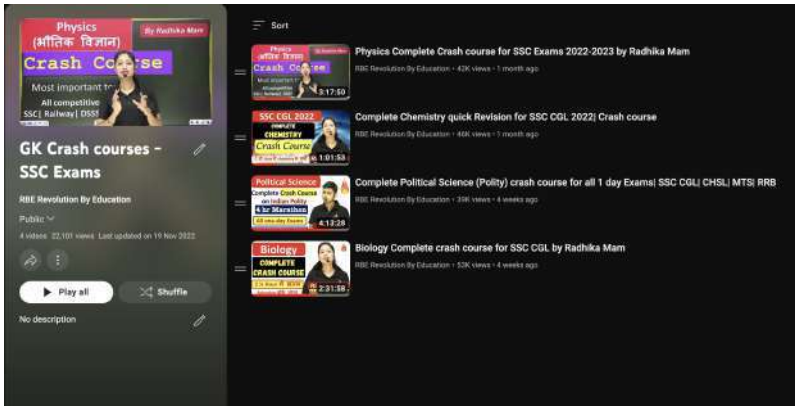
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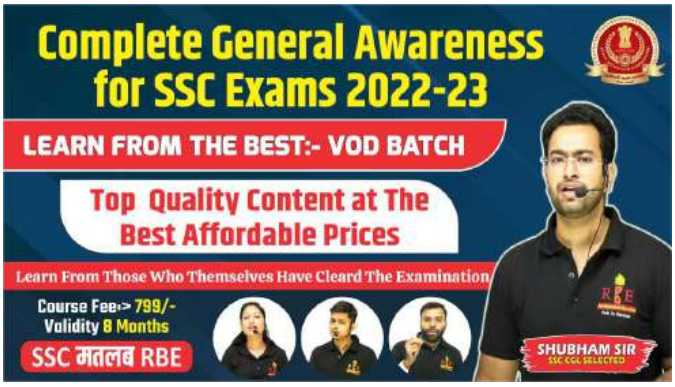
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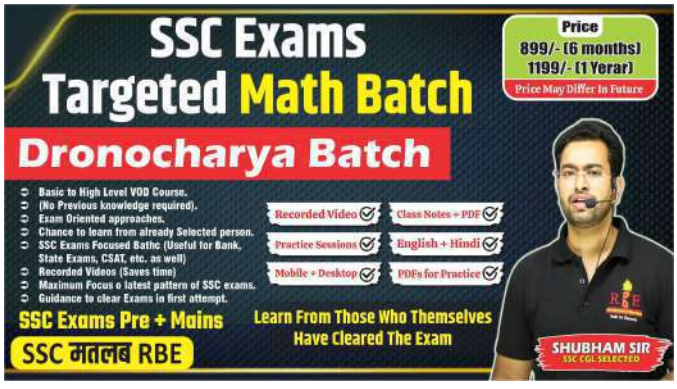
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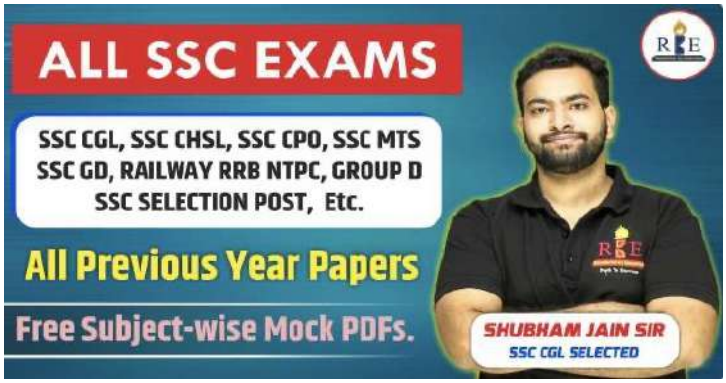
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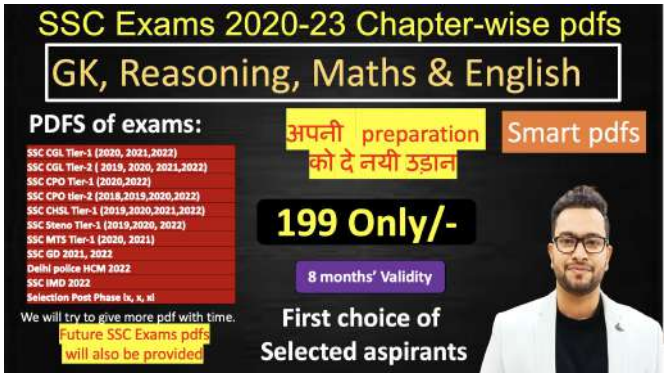
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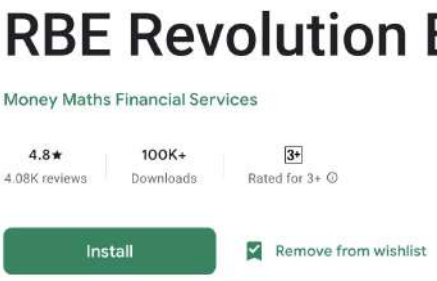

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## SSC CHSL 2023 Tier-1 All Biology Questions by Shubham Jain Sir

Q1. The first-ever terrestrial plants to possess vascular tissues were: pteridophyta

Q2. An excessive amount of cadmium in the human body causes: itai-itai

Q3. Which of the following cell divisions is known as reduction division?: Meiosis

Q4. Which part of a cell converts nutrients into energy? : Mitochondria

Q5. Which cell analysis technique is used to rapidly analyze single cells or particles as they flow through single or multiple lasers while suspended in a buffered salt-based solution? : Flow cytometry

Q6. Which of the following cell organelles can make copies of themselves?: Mitochondria

Q7. Which type of haploid unicellular eukaryote cells has a diameter of ~10 µm, and about half of their volume is occupied by cup-shaped chloroplasts?: Chlamydomonas

Q8. Which cell organelles are known as the cell's post office? : Golgi apparatus

Q9. In which year did Rudolf Ludwig Karl Virchow formulate his famous aphorism 'Omnis cellula-e cellula' which became a part of the foundation of cell theory? : 1855

Q10. Which is a nutritional disorder caused by vitamin B3 deficiency. leading to clinical manifestations from the skin, gastrointestinal tract and nervous system?: Pellagra

Q11. Which vitamin is synthesized in the presence of sunlight in our body? : Vitamin D

Q12. The deficiency of Vitamin A causes: Night blindness

Q13. Which of the following diseases is transmitted by the bite of an infected female phlebotomine sandfly, characterized by irregular fever, weight loss, and enlargement of the spleen and liver?: Visceral leishmaniasis

Q14. What is the monomer unit of glycogen?: Glucose

Q15. Which of the following diseases is a potential contender for worldwide eradication?: Polio

Q16. _____ are the amphibians of the plant kingdom?: Bryophyta

Q17. Which of the following are cryptogam?: Pteridophyta

Q18. Which cytologist demonstrated the role of the endoplasmic reticulum (ER) in protein processing and sorting in a variety of cells in the 1960s?: George E Palade

Q19. Which of the following is a perennial herbaceous plant in the nightshade family Solanaceae that is used in alternative medicine as an aid in treating arthritis pain, colds, or hay fever?: Atropa belladonna

Q20. The division of cytoplasm is known as: cytokinesis

Q21. Sleeping sickness is a vector-borne disease caused by the infection of which microscopic parasite of the species?: Trypanosoma brucei

Q22. Which of the following nutrients is available mainly in apples?: K

Q23. Which is an inherited blood disorder that affects the hemoglobin gene and results in ineffective erythropoiesis? : Thalassemia

Q24. Which of the following is a kind of Xanthan? Microbial gum

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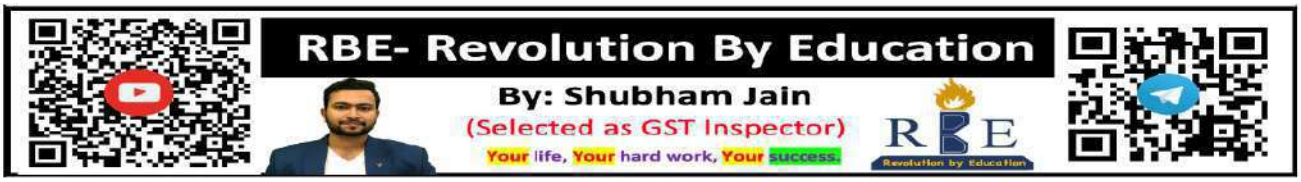


# SSC MTS 2022 General Awareness Biology by Shubham Jain (RBE)

Q1. The cells having well - organized nucleus with a nuclear membrane are designated as _____. eukaryotic cells

Q2. Which of the following vitamins helps to keep our skin and eyes healthy? Vitamin A

Q3. Which of the following is the richest source of vitamin C? Lemon

Q4. Which among the following vitamins influences iron absorption? Vitamin C

Q5. Beriberi is caused by deficiency of which of the following? Vitamin B1

Q6. Which among the following Vitamins plays an essential role in vision? Vitamin A

Q7. Soham is suffering from goitre. Which deficiency is the most common cause of it? Deficiency of Iodine

Q8. Which vitamin is soluble in water? Vitamin-C

Q9. Insufficient exposure to sunlight causes deficiency of which vitamin? Vitamin D

Q10. Which of the following vitamins helps our body to use calcium for bones and teeth? Vitamin D

Q11. Sterility is caused due to the deficiency of which of the following Vitamins? Vitamin E

Q12. The normal temperature of the human body is _____. 37°C

Q13. Select the correct option. Fungi can grow on which of the following items?

I. Bread, II. Pickles, III. Leather, IV. Clothes I,II,III and IV

Q14. In biology, the term "IVF" stands for_____. In vitro fertilization

Q15. The leaves have a green pigment called _____, which helps leaves to capture the energy from the sunlight. Chlorophyll

Q16. Which component of the cell contains the hereditary material of the cell, the DNA? Nucleus

Q17. Which plant tissue is responsible for the transportation of water and minerals from the soil to the stems and leaves? Xylem

Q18. Cells were first observed in cork by_____ in 1665. Robert Hooke

Q19. All human beings have _____ pairs of chromosomes in the nuclei of their cells. 23

Q20. Which cell organelles help in intracellular digestion and are known as the "suicidal bags" of the cell? Lysosome

Q21. Which of the following is NOT one of the three main parts of cell? Vacuole

Q22. What is the jelly like substance between the nucleus and the cell membrane called? cytoplasm

Q23. Which component of the cell organelles principally performs the function of packaging materials, to be delivered either to the intra-cellular targets or secreted outside the cell? Golgi Apparatus

Q24. What is the major function of a cell wall? It provides shape and rigidity to the cell

Q25. The cells having nuclear material without nuclear membrane are termed as _____. Prokaryotic cells

Q26. Which of the following is a characteristic of a plant cell? Cell wall is present

Q27. _____ is the division of the cytoplasm of one eukaryotic cell into two daughter cells. Cytokinesis

Q28. Which among the following statements is incorrect? Cell wall is present in animals.

Q29. Cytology is the study of _____. Cells

Q30. The bodies of living organisms are made of tiny units called _____. cells

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Q31. Plant cell has a big central _____ unlike a number of small _____ in animal cells. Vacuole, vacuoles

Q32. Who among the following was the first Biologist who discovered cells? Robert Hooke

Q33. Which among the following plant kingdoms are divided into liverworts and mosses? Bryophytes

Q34. Which among the following are called the amphibians of the plant kingdom? Bryophyte

Q35. Which among the following plant kingdoms are divided into dicotyledons and monocotyledons? Angiosperms

Q36. Which of the following is a complex permanent plant tissue? Xylem

Q37. Fern is an example of which plant group? Pteridophyta

Q38. Which among the following is an example of Angiosperm in Plant Kingdom? Tomato

Q39. Which acid destroys the bacteria that enter the stomach? Hydrochloric acid

Q40. Mosquito belongs to _____ phylum of the animal kingdom. Arthropoda

Q41. The organisms which take their food prepared by plants are called _____. heterotrophs

Q42. Plants require nutrients for their growth which can be supplied through _____. Soil, water and air

Q43. Which of the following is an example of micronutrient supplied by soil? Iron

Q44. By which process, water soluble inorganic nutrients go down into the soil horizon and get precipitated as unavailable salts? Leaching

Q45. Which among the following statement is NOT correct regarding fertilizers? They provide humus to the soil

Q46. Balanoglossus belongs to which of the following phylum of animal kingdom? Hemichordata

Q47. The period of life, when the body undergoes changes leading to reproductive maturity is called_____. adolescence

Q48. Plants with green and tender stems are called_____. herbs

Q49. Which among the following organs in the human body is most affected by Pneumonia disease? Lungs

Q50. Which of the following is an artificial sweetener? Saccharin

Q51. Which among the following is not an example of Thallophyta? Marchantia

Q52. The stage of the embryo in which all the body parts can be identified is called _____. Foetus

Q53. Steapsin, the enzyme which converts fats into fatty acids and glycerol, is secreted by _____. pancreas

Q54. The reproduction process in which only a single parent is involved is called _____. asexual reproduction

Q55. Plasma is often called the _____ state of matter. fourth

Q56. The mode of nutrition in which organisms make food themselves from simple substances is called _____. autotrophic nutrition

Q57. The innermost part of a flower is called the _____. pistil

Q58. Which among the following is NOT a bacterial disease? Rabies

Q59. Vertical distribution of different species occupying different levels in an ecosystem is called _____. stratification

Q60. Which of the following is "NOT" an example of communicable diseases? Diabetes

Q61. Which among the following is Phanerogams, flowering and seed-bearing plants? Gymnosperms

Q62. Which among the following is an example of Phylum Mammalia of Animal Kingdom? Rat

Q63. Water comes out of the leaves in the form of vapor by a process called _____. transpiration

Q64. The broad, green part of the leaf is called _____. lamina

Q65. Which among the following are commonly known as blood thinners? Anticoagulants

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Q66. Which of the following is used as an antacid to neutralize stomach acidity? Magnesium Hydroxide

Q67. Which among the following is a tertiary consumer? Snake

Q68. The members of _____ are commonly called red algae. Rhodophyceae

Q69. Which class of algae is commonly known as brown algae? Phaeophyceae

Q70. Which among the following minerals is essential for the synthesis of thyroid hormones (thyroxine)? Iodine

Q71. Liver gland secretes_____ that is stored in a sac called the gall bladder. bile juice

Q72. Which of the following is NOT an example of "viviparous" animals? Bird

Q73. The transformation of the larva into an adult through drastic change is called _____. metamorphosis

Q74. _____ are the vessels which carry blood away from the heart to various organs of the body. Arteries

Q75. Which among the following is the structural and fundamental unit of life? Cell

Q76. The microorganisms which convert the dead plants and animals to humus are known as _____. decomposers

Q77. Fishes have _____ chambers of the heart. two

Q78. _____ are the vessels which carry carbon dioxide-rich blood back to the heart. veins

Q79. Which disease is caused by the deficiency of protein in the diet? Kwashiorkor

Q80. Snails are an example of which of the phylum of the animal kingdom? Mollusca

Q81. The blood platelets are also known as_____ thrombocytes

Q82. _____is the female reproductive part of the flower. pistil

Q83. The disease-causing microbes are called _____. pathogens

Q84. "Goitre" is a disease of which of the following glands? Thyroid gland

Q85. Which class of algae is commonly known as green algae? Chlorophyceae

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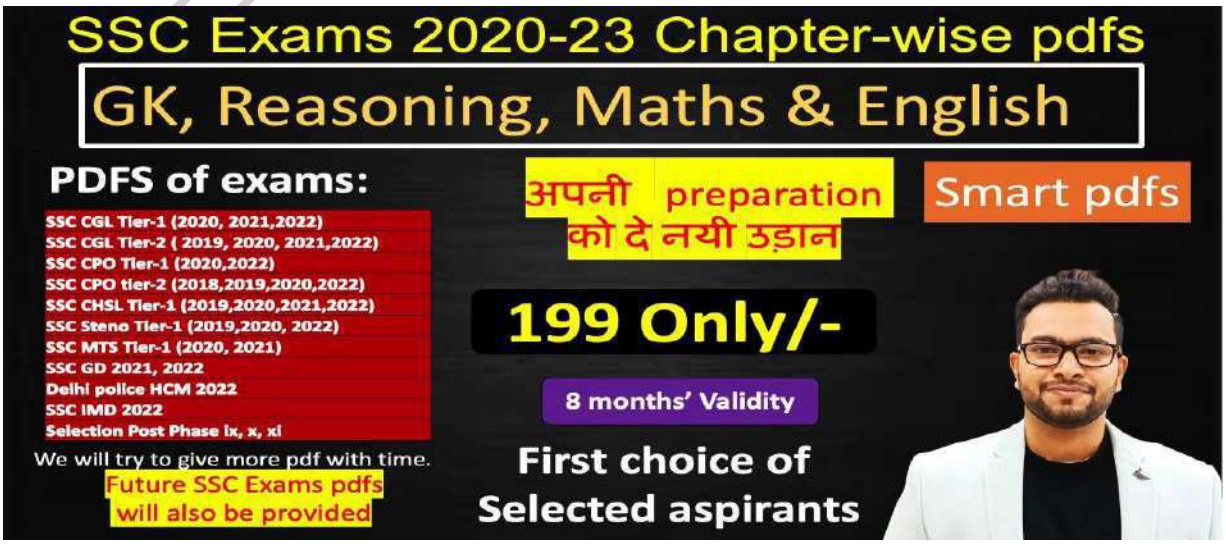
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# SSC CGL 2023 Tier-1 Biology by Shubham Jain (RBE)

**Q1. Vitamins and minerals are helpful for which of the following?** Carry out metabolic reactions in our body

**Q2. Which type of liverworts form umbrella-shaped structures that raise gametangia above the main gametophyte body and sporophytes develop below these structures?** Marchantia

**Q3. Identify an organism that has a well-defined muscular pharynx.** Ascaris

**Q4. What is Typhlops?** Blind snake

**Q5.**

Match the columns.

| Colum-A (Class) | Column-B (Common name) |
|---|---|
| i. Chlorophyceae | a. Brown algae |
| ii. Phaeophyceae | b. Green algae |
| iii. Rhodophyceae | c. Blue-green algae |
| iv. Cyanophyceae | d. Red algae |

i-b, ii-a, iii-d, iv-c

स्तंभों का मिलान कीजिए।

| स्तंभ-A (वर्ग) | स्तंभ-B (सामान्य नाम |
|---|---|
| i. क्लोरोफाइसी | a. भूरा शैवाल |
| ii. फियोफाइसी | b. हरी शैवाल |
| iii. रोडोफाइसी | c. नीले-हरे शैवाल |
| iv. सायनोफाइसी | d. लाल शैवाल |

**Q6. Name a reproductive strategy in which parasites take advantage of the care of other individuals of the same species or different species to raise their young.** Brood parasitism

**Q7. Which of the following is the red algae?** Rhodophyceae

**Q8. Which of the following cells are found in the liver of mammals?** Kupffer cells

**Q9. Which Vitamin D analogue is used to treat hypoparathyroidism, refractory rickets and familial hypophosphatemia?** Ergocalciferol

**Q10. Which is the only living representative of Sphenopsida that has an underground, creeping and perennial rhizome that gives off aerial as well as underground branches?** Equisetum

**Q11. Which of the following cell organelles is made up of ribosomal RNA and protein?** Ribosome

**Q12.**

Which of the following is the correct match of the column-A with column-B?

| Column-A (Nutrients) | Column-B (Source) |
|---|---|
| i. Protein rich food | a. Wheat |
| ii. Fat rich food | b. Lemon |
| iii. Carbohydrate rich food | c. Egg white |
| iv. Vitamin C rich food | d. Butter and cheese |

i-c, ii-d, iii-a, iv-b

**Q13. Which of the following is another name for starch found mainly in the pulp of seeds, fruits, tubers, roots and stems of plants, especially in corn, potatoes, wheat and rice?** Amylum

**Q14. Which of the following pairs is INCORRECTLY matched?** Ancylostoma – Pinworm

**Q15.**

Match column A with column B.

| Column A (Type of algae) | Column B (Proper Name) |
|---|---|
| a. Blue-green algae | i. Sargassum |
| b. Red algae | ii. Chlamydomonas |
| c. Green algae | iii. Rhodophyta |
| d. Brown algae | iv. Cyanobacteria |

a-iv, b-iii, c-ii, d-i

**Q16. What helps making the acidic food alkaline that is coming from the stomach?** Bile juice

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Q17. Ferns, horsetails and lycophytes belong to which of the following groups? Pteridophyta

Q18. What cells help in osmoregulation in platyhelminthes? Flame cells

Q19. In cells, proteins are synthesised in ____. Ribosome

Q20. Single-celled life forms were discovered by Anton Van Leeuwenhoek in _____. 1674

Q21. Select the INCORRECT statement about Gymnosperms. Gymnosperms are seedless flowering plants.

Q22. Select the INCORRECT statement about Phylum Arthropoda. Lignin is the main component of the exoskeletons of arthropods.

Q23. Mitochondria is NOT found in _____. bacteria

Q24.

Match the animals in column A with the phylum they belong to in column B

| Column-A | Column-B |
|---|---|
| i. Jelly fish | a. Mollusca |
| ii. Cray fish | b. Mammal |
| iii. Whale fish | c. Insect |
| iv. Devil fish | d. Coelenterate |

i - d, ii - c, iii - b, iv - a

Q25. In which year did E Gorter and F Grendel make a breakthrough by examining the surface area of lipids and concluded that the lipid surface surrounding cells must be of two layers? 1925

Q26. Which plant is considered a noxious weed that has a chemical defence mechanism to protect it from predators? Calotropis

Q27. What is the common term for Ancylostoma? Hookworm

Q28. 1,3-Dimethylbenzene also known as: m-Xylene

Q29. In a plant, _____ is present in the middle lamella, primary cell and secondary walls and accumulates in the initial stages of development during cell expansion. pectin

Q30. Which of the following pairs is INCORRECTLY matched? Pteridophyta – Cycas

Q31. Which from the following is a phylum of animals found in fresh water ponds, lakes and swamps provides setae or parapodia for locomotion? Annelida

Q32. Identify the function of lipase in the process of digestion. Breaking down emulsified fats

Q33. Which of the following is the correct match of the column-A with column-B?

| Column-A (Name of Disease) | Column-B (Affected Organs) |
|---|---|
| i. Alzheimer's diseases | a. Salivary glands |
| ii. Diphtheria | b. Reproductive tract |
| iii. Gonorrhoea | c. Brain |
| iv. Mumps | d. Nose and throat |

i-c, ii-d, iii-b, iv-a

Q34. Meandrina is the generic name of which Coelenterata animal having soft tube-shaped bodies that live together in large groups? Brain coral

Q35. In which year did an American cytogeneticist named Joe Hin Tjio publish a research finding that defined 2n=46 as the exact number of human chromosomes? 1956

Q36. Which of the following is known as 'bodybuilding food'? Proteins

Q37. Select the correct option about Kwashiorkor.
Statement A: It is a form of malnutrition caused by a lack of fat in the diet.
Statement B: Children who develop Kwashiorkor may not grow or develop properly and may remain stunted for the rest of their lives. Only statement B is correct

Q38. What do you call the glycocalyx when it is like a loose sheath in the cell envelope of bacteria? Slime layer

Q39. Sporophyte stage is dominant in which plant group? Vascular plants

Q40. Select the correct statement. Ribosomes, mitochondria and lysosomes are found in animal cells.

Q41. Which of the following is found in plant cells only? Cell wall

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Q42. The outermost cover of plant cells is/are known as _____. Cell wall

Q43. Which water-soluble pigment belonging to a phenolic group is present in pomegranate, eggplant, black carrots and red cabbage? Anthocyanins

Q44. Which ecologist is famous for studying plant life in the Indiana Dunes in 1896? Henry Chandler Cowles

Q45. What happens to the guard cells when water flows into them? Stomatal pores open.

Q46. Which group of Kingdom Animalia has unsegmented, bilaterally symmetrical, soft bodies, with a triploblastic construction (comprising three layers of cells) and a lacking coelom, skeleton and anus? Platyhelminthes

Q47. Which of the following statement is correct regarding cell membrane?
I. The membrane is selectively permeable to some molecules present on either side of it.
II. Water may also move across this membrane from lower to higher concentration. Only I

Q48. Which form of leucoplast specialises in oil synthesis and storage and is mainly found in the layer of cells in pollen grains that develop pollen grains? Elaioplasts

Q49. Which cells, also called neurilemma cells, are the main glial cells in the PNS and play an essential role in the survival and functions of neurons? Schwann cells

Q50. In which year did Walther Flemming coined the term 'chromatin' for the stained substance found in the cell nucleus? 1879

Q51. Which of the following statement is NOT correct regarding the liver? It is situated in the upper part of the abdomen on the left side.

Q52. Identify an endoparasite found in animals. Flatworms

Q53.

Match the columns.

| Column-A (Disorder) | Column-B (Hormone/Gland) |
|---|---|
| i. Addison's disease | a. Adrenal gland |
| ii. Hashimoto's disease | b. Thyroid gland |
| iii. Acromegaly | c. Growth hormone |
| iv. SIADH | d. Vasopressin |

i-a, ii-b, iii-c, iv-d

Q54. As per the dietary guidelines recommended by doctors, the RDA for cholesterol intake in healthy adults and children above four years of age is _____ mg/day. 300

Q55. In which of the following animal phyla, is the body divided into head, thorax and abdomen? Arthropoda

Q56. Identify an organism that exhibits metagenesis. Obelia

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# CRPF Tradesman 2023 General Awareness Biology by Shubham Jain (RBE)

Q1. Which of the following is referred to as a cell's suicide sack? Lysosome

Q2. Which part of the flower contains a single carpel or group of fused carpels that are usually differentiated into ovary, style and stigma and help in the process of receiving pollen and fertilization? Pistil

Q3. Which of the following combinations is INCORRECT? Vitamin A deficiency – Colour blindness

Q4. Plants which have come from outside India are termed as _____ plants. exotic

Q5. The physical changes that take place in a protein exposed to abnormal conditions in the environment is called: denaturation

Q6. Which of the following cells can divide properly? Skin cells

Q7. A protoplast is a plant cell _____. without a cell wall

Q8. Which of the following combinations is NOT correct regarding the cell cycle? G2-DNA replication

Q9. Which of the following best describes the grouping of the hibiscus and rose plants? Shrubs

Q10. When did Rudolf Virchow publish 'omnis cellula e cellula', meaning, all cells arise from pre-existing cells? 1855

Q11. In which year did Louis Pasteur prove that a microscopic plant causes souring of milk (lactic acid fermentation)? 1857

Q12. Which of the following cells produce insulin when blood glucose levels rise? β-cells

Q13. Which of the following is a source of sulforaphane? Broccoli

Q14. Which of the following options DOES NOT represent a form of chromosomal aberration? Mutation

Q15. By what process are packaged and non-packaged foods treated with mild heat, typically less than 100 °C (212 °F), to kill off harmful bacteria, salmonella, and other disease-causing pathogens? Pasteurisation

Q15. Which of the following pairs is INCORRECTLY matched? Flower - Carries food

Q16. The characteristic of seed plants in which one sperm nucleus fuses with the egg nucleus to form an embryo and another fuses with polar nuclei to form an endosperm is called: double fertilisation

Q17. Which of the following is required by the body for growth, repair and energy? Nutrients

Q18. Which of the following is high in annatto? Carotenoids

Q19. Which of the following is the best medium for dispersing the seeds of dandelion? Wind

Q20. When the seed lacks leaves, where does the food come from? Stored food of the seed

Q21. Which of the following is a group of protein-rich foods? Egg, chicken, and almond

Q22. Which of the following is mainly found in fruits and vegetables? Vitamins and minerals

Q23. Which of the following groups is a rich source of fibre? Pears, banana, and avocado

Q24. Who among the following scientists is considered as the Father of Modern Cell Biology (1912-2008)? George Emil Palade

Q25. Which of the following trees' seeds are used to manufacture annatto (annatto is used to colour butter)? Bixa orellana

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**Q26. The synthesis of specific molecular components and their assembly into cellular membranes is called:** membrane biogenesis

**Q27. Which of the following is a vitamin group that the body needs for blood clotting and wound healing?** Vitamin K

**Q28. Which of the following types of organisms lack a cell?** Viruses

**Q29. Which type of bacteria used in the manufacture of fermented dairy, sourdough, meat and vegetable food?** Lactobacillus acidophilus

**Q30. Irregular growth of teeth is caused due to deficiency of which vitamin?** Vitamin A

**Q31. The system of assigning a number to carbohydrate-containing foods according to how much blood sugar each food increases is called:** Glycaemic index

**Q32. Which of the following types of cells have pluripotency?** Embryonic stem cells

**Q33. Who presented the Classical Cell Hypothesis in 1839?** (Theodor Schwann)

**Q34. Which cell organelle is the major microtubule-organising centre?** Centrosomes

**Q35. Match column A with column B.** a-ii, b-i, c-iv, d-iii

| Column A | Column B |
|---|---|
| a. Vitamin-A | i. Meat, poultry, and fish |
| b. Vitamin-B | ii. Carrots |
| c. Vitamin-C | iii. Milk and egg |
| d. Vitamin-D | iv. Citrus fruits |

**Q36. Which of the following options falls under the category of aquatic plants?** Water lily plant

**Q37. Who was the first person to give a detailed description of red blood cells under the microscope, in 1675?** Anton van Leeuwenhoek

**Q38. Which of the following enzymes is NOT involved in DNA replication?** Reverse transcriptase

**Q39. Which of the following items should be avoided by a person who is suffering from a high blood pressure?** Sodium

**Q40. Which of the following sources of carbon dioxide is used by plants?** Air

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# Selection Post Phase XI General Awareness Biology by Shubham Jain (RBE)

## Graduation Level

**Q1. Which disease is caused by excessive iron deposition within the reticuloendothelial cells of the liver, spleen and bone marrow? Hemosiderosis**

**Q2. Identify the correct statement about cell membranes. Cell membranes are made up of carbohydrates, lipids and proteins.**

**Q3. Plants that are adapted to live under plenty of sunlight are called: heliophyt**

## Higher Secondary Level

**Q1. Eugene Odum is well known for: contribution in ecology**

**Q2. Match the columns. i - b, ii - a, iii - d, iv - c**

| Phylum | Animal |
|---|---|
| i. Protozoa | a. Roundworm |
| ii. Nematoda | b. Amoeba |
| iii. Arthropoda | c. Star fish |
| iv. Echinodermata | d. Cockroach |

**Q3. Plants which are grown under shade are known as: Sciophytes**

## Matriculation Level

**Q1. Which of the following does NOT belong to class Insecta? Scorpion**

**Q2. Which water-soluble vitamin found in various foods, including liver, milk, eggs and fish, helps to keep your body's blood and nerve cells healthy? Vitamin B12**

**Q3. What is the basic requirement for an ecosystem to function and sustain? Input of solar energy**

**Q4. Identify an algae that undergoes anisogamous fusion of gametes. Eudorina**

**Q5. Identify the type of cell that is long and branched. Nerve cell**

**Q6. The _____ is an embryonic midline structure common to all members of the phylum Chordata that serves as a source of midline signals to surrounding tissues and as a major skeletal element of the developing embryo. notochord**

**Q7. Which is a multicellular filamentous green alga consisting of thin unbranched chains of cylindrical cells and found in floating masses near the surface of streams and ponds? Spirogyra**

**Q8. Which foods is a good source of vitamin B12? Meats**

**Q9. Which is a flowerless, spore-producing plant that is usually a thin, horn-like, or needle-like capsule with spores that develops from a flat, green leaf? Hornwort**

**Q10. Which cell organelle containing millions of membrane-bound ribosomes is involved in the production, folding, quality control and dispatch of certain proteins? Rough endoplasmic reticulum**

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# SSC CHSL 2022 Tier-2 Questions Biology

**Q1. Which of the following statements about enzymes in the human body is/are correct?**
**Statement A: Maltase is present in the saliva and breaks the sugar maltose into glucose.**
**Statement B: Amylase is present in the saliva and helps change starches into sugars. Both A and B**

**Q2. Match the points under List I with those under List II.**

| List I (Phylum) | List II (Example) |
|---|---|
| 1. Porifera | a. Sponge |
| 2. Cnidaria | b. Squid |
| 3. Mollusca | c. Centipede |
| 4. Arthropoda | d. Jellyfish |

1-a, 2-d, 3-b, 4-c

**Q3. Deficiency of which of the following vitamins in the human diet causes a disease called xerophthalmia? Vitamin A**

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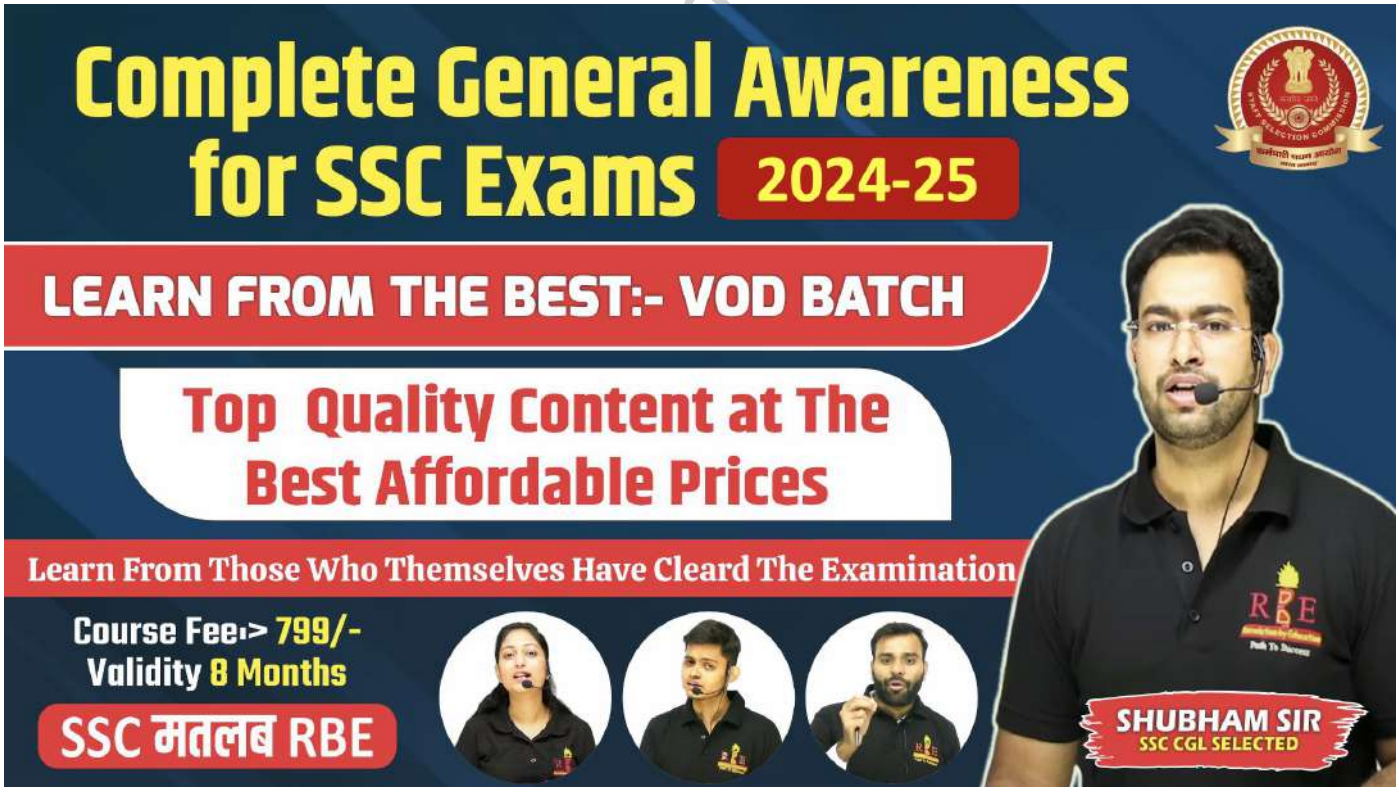
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# SSC CHSL 2022 Tier-1 General Awareness Biology (one liner) by Shubham Jain (RBE)

Q1. The plants of which of the following plant kingdoms are known as algae? Thallophyta

Q2. Which of the following disease is not caused by a mosquito bite? Hepatitis

Q3. In humans the neck is joined by the head by which of the following joints? Pivotal joint

Q4. Which of the following pairs of 'mineral – source' is correct?
I. Vitamin A – Papaya
II. Iron – Spinach Both I and II

Q5. Which of the following is not an asexual form of reproduction in plants? Pollination

Q6. Chikungunya is an infection caused by _____ mosquito. Aedes

Q7. Which among the following is a bacterial disease? Leprosy

Q8. Anant's mother advised him to not sleep under the trees at night as trees release _____ at night. Carbon Dioxide

Q9. Which of the following is not a subgroup of plant kingdom? Hemichordata

Q10. Which of the following statements is correct? Our body works within the pH range of 7.0 to 7.8.

Q11. Which among the following pairs of 'animal – phylum of animal kingdom they belong' is incorrect? Liver fluke - Nematoda

Q12. Breakdown of pyruvate into lactic acid and energy in lack of oxygen takes place in which of the following? Human muscle cells

Q13. According to WHO, If a person's BMI is below 18.5 he/she is classified as _____. Underweight

Q14. Which of the following pairs of 'disease – duration' is correct?
I. Acute – long duration
II. Chronic – short time Neither I nor II

Q15. In humans, the digestion of carbohydrates like starch, begins in which of the following parts? Buccal cavity

Q16. Which of the following statement is NOT correct regarding the prokaryotic cell? Membrane bound cell organelles are present

Q17. Behind the cornea, there is a dark muscular structure called the _____. iris

Q18. Which among the following enzymes helps in breaking down fats? Lipase

Q19. Which of the following is an example of Phylum – Annelida? Earthworm

Q20. Which of the following rocks may also contain fossils of plants, animals and other microorganisms that once lived on them? Sedimentary rocks

Q21. Which of the following is a common type of Bryophyta? Marchantia

Q22. Due to deficiency of which mineral/vitamin, does the glands in the neck appear swollen? Iodin

Q23. Which of the following is correct regarding the respiration?
I. Regular traditional breathing exercise (pranayama) can increase the capacity of lungs to take in more air.
II. During inhalation, ribs move up and outwards and diaphragm moves down. Both I and II

Q24. Rahul is suffering from Beriberi. What deficiency he has? Vitamin B1

Q25. Muscles are of three types. Which of the following is NOT one of them? Sesamoids

Q26. _____ forces water through a semipermeable membrane and removes contaminants. Reverse Osmosis

Q27. Plant cells differ from animal cells in having an additional layer around the cell membrane termed as _____. Cell wall

Q28. What is the pH of human blood? 7.4

Q29. _____ diseases last for only shorter periods of time. Acute

Q30. An isotope of which of the following is used in the treatment of cancer? Cobalt

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Q31. In ruminants like cattle, bacteria present in _____ helps in digestion of cellulose. rumen

Q32. The green plants in a terrestrial ecosystem capture about _____ percent of the energy of sunlight that falls on their leaves and convert it into food energy. 1

Q33. Which among the following is a flat bone? Ribs

Q34. Which among the following is a fat soluble vitamin? Vitamin D

Q35. Hydra is an example of which of the following phylum of the animal kingdom? Coelenterata

Q36. Which of the following comes under the platyhelminthes classification under the animalia? Tapeworm

Q37. Which part of human brain is responsible for walking in straight line? Cerebellum

Q38. The reproduction in yeast happens by the process of _____. Budding

Q39. Which of the following disease is caused by fungi? Ring Worm

Q40. The sensation of feeling full is because of a centre associated with hunger, which is in a separate part of the _____. Forebrain

Q41. Which among the following is a viral disease? Chicken pox

Q42. What is the percentage of carbon dioxide in the air exhaled by human lungs? 4.4 percent

Q43. Certain plants have green and tender stems. They are usually short and may not have many branches. What are they called as? Herbs

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SSC CGL 2022 Tier-2 General Awareness ALL SUBJECTS (ONE LINER) by Shubham Jain (RBE)

# BIOLOGY

**Q1. Which of the following options is correct regarding sexually transmitted disease (STD)?**
**Statement A: Sexually transmitted diseases (STDs) are infections transmitted from an infected person to an uninfected person through sexual contact.**
**Statement B: HIV, HPV and Hepatitis B virus is responsible for STD. Both Statements A and B correct**

**Q2. What do you call the type of drugs that mimic the natural messenger by switching on the receptor? Agonist**

**Q3. Deficiency of which of the following vitamins causes excessive bleeding from wounds? Vitamin K**

**Q4. Which of the following was the first B vitamin discovered in 1897? Thiamine**

**Q5. Which group of animals are named because of their spiny skin and have a peculiar water-driven tube system that they use for moving around? Echinodermata**

**Q6. Which of the following is essential to form haemoglobin in blood? Iron**

**Q7. Which of the following can degrade detritus into simpler inorganic substances? Fungal enzymes**

**Q8. Plants that do not have well-differentiated body design fall in this group. The plants in this group are commonly called algae. These plants are predominantly aquatic. Thallophyta**

**Q9. Who explained the structure and reproductive system of algae in 1935? FE Fritsch**

**Q10. Which is a specialised excretory cell found in Platyhelminthes that acts like a kidney, removing waste material through filtration? Flame cell**

**Q11. Match the columns.**

| Nutrients | Examples |
|---|---|
| a. Protein | i. Calcium, Phosphorous |
| b. Carbohydrates | ii. Cholesterol |
| c. Fat | iii. Glucose |
| d. Minerals | iv. Myosin |

**a-iv, b-iii, c-ii, d-i**

**Q12. Nutritional care during illness is an organised group of activities which consists of all of the following,**
**EXCEPT: assessing psychological stress**

**Q13. What do you call the drugs that bind to the receptor site and inhibit its natural function? Antagonists**

**Q14. When did the Constitution of WHO come into force - a date which we now celebrate as World Health Day every year? 7 April 1948**

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# SSC GD 2022 BIOLOGY by Shubham Jain (RBE)

Q1. Moss and Marchantia comes under which of the following? Bryophytes

Q2. In human body, the food passes through a continuous canal which begins at _____ and ends at anus. buccal cavity

Q3. Three of the following four are examples of Coelenterata phylum, and therefore form a group. Which is the one that does not belong to that group? Liver fluke

Q4. The mode of nutrition in which organisms take in nutrients from dead and decaying matter is called _____ nutrition. Saprotrophic

Q5.What best describes bulimia? eating disorder

Q6. Which of the following pair of cell - shape is correct?
I. Red blood cells - Spherical shape
II. Muscle cells - Spindle shape Both I and II

Q7. How many balanced meals of average size each day should adolescents have? three

Q8. _____ are present only in plant cells. Plastids

Q9. _____ can be visualized as a functional unit of nature, where living organisms interact among themselves and also with the surrounding physical environment. An ecosystem

Q10. Cyclostomes are jawless _____. vertebrates

Q11. Which of the following is not present in a nucleus? vacuole

Q12. Fast food is often packed with fat and _____. empty calories

Q13. Name the suicidal bags of the cell. Lysosomes

Q14. Which of the following comes under Mollusca? Octopus

Q15. Which of the following is not one of the five basic food groups suggested by the Indian Council of Medical Research? Carbohydrates and Proteins

Q16. What does iron deficiency lead to? anemia

Q17. Match the following:

| | |
|---|---|
| a) Cereals and Grains | i) lentil |
| b) Milk and meat | ii) rice |
| c) Fats and sugars | iii) fish |
| d) Pulses and legumes | iv)ghee |

a-ii,b-iii,c-iv,d-i

Q18. 4 kilo calories of energy is released by _____ . one gram of protein

Q19. The nucleus is separated from _____ by a nuclear membrane. cytoplasm

Q20. What do you call organisms made of more than one cell? multicellular

Q21. _____ is a process in which two close-fitting parts are joined by using a filler material which is heated above its melting point and distributed in the gap by capillary action. Brazing

Q22. Three of the following four are examples of mammalia, and therefore form a group. Which is the one that does not belong to that group? Penguin

Q23. Where will you find plastids in a leaf cell? cytoplasm

Q24. _____ is an indicator used by experts to gauge the number of people dying prematurely due to a particular disease. global burden of diseases

Q25. _____ is associated with spoilage, development of off-flavors, deterioration of textures, discoloration and loss of nutritional value. food deterioration

Q26. Plants that do not have well-differentiated body design fall in this group. The plants in this group are commonly called algae. This group is _____. Thallophytes

Q27. _____ are a kind of waste disposal system of the cell. Lysosome

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Q28. In the following example, who is the primary carnivore?
grass-grasshopper-frog-snake-hawk frog

Q29. Foods with starch in them will turn blue-black when they come in contact with _____. iodine

Q30. Which of the following is NOT a source of protein? Lemon

Q31. Mitochondria have _____ membrane coverings. 2

Q32. _____ is defined as the body's ability to function efficiently and effectively in work and leisure activities, to be healthy, to resist diseases and to meet emergency situations. physical fitness

Q33. The _____ is the site of the complete digestion of carbohydrates, proteins and fats. small intestine

Q34. Cycas and Pinus are which type of plants? Gymnosperms

Q35. Which term did Robert Hooke coin when he observed slices of cork, under a simple magnifying device? cell

Q36. In plants cell, _____ are primarily organelles in which materials such as starch, oils and protein granules are stored. Leucoplasts

Q37. Name the disorder tied to body image distortion in adolescence. anorexia nervosa

Q38. Base changes the colour of the red litmus to _____. blue

Q39. Which of the following is a symptom of bacterial infection? fever

Q40. How many pathways are constructed as independently organized conducting tubes in plants? two

Q41. The cytoplasm has _____ such as ribosomes, mitochondria, and golgi bodies. organelles

Q42. What is the major constituent of cellular energy transfer systems? phosphorus

Q43. The species that _____ a bare area are called pioneer species. invade

Q44. Which technology is used by doctors to advise his patients sitting at a distance of thousands of kilometers from them? Tele-Medicine

Q45. What comes at the top of the food guide pyramid? fats and sugars

Q46. _____is the fluid content inside the plasma membrane. cytoplasm

Q47. Consumers expect better-quality foods with _____ of nutrients. retention

Q48. Cell is the _____ living part of an organism. smallest

Q49. Husk of a coconut is made of _____ tissue. Sclerenchyma

Q50. _____ are known as the powerhouses of the cell. Mitochondria

Q51. What best defines prokaryotic cells?
I. Single chromosome
II. Membrane-bound cell organelles absent Both I and II

Q52. Except for the deep sea hydrothermal ecosystem, sun is the only source of energy for all ecosystems on Earth. What comes next in the energy food chain? plants

Q53. In a food chain, _____ can be taken as the average value for the amount of organic matter that is present at each step and reaches the next level of consumers. 10%

Q54. What is the trophic level of dead organic matter in detritus food chain? first

Q55. The green plants in a terrestrial ecosystem capture about _____ of the energy of sunlight that falls on their leaves and convert it into food energy. 1%

Q56. Who breaks down waste into smaller particles? detritivores

Q57. Which of these is a micronutrient? iron

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# SSC CGL 2022 Tier-1 General Awareness Biology by Shubham Jain (RBE)

Q1) _____ part of xylem tissue in plants stores food.> Xylem parenchyma

Q2) In Golgi apparatus, the maturing face is:> convex

Q3) Which of the following statements about cell cycle is FALSE? >

In M phase, the cell grows physically larger and copies organelles.

Q4) What are the three parts of bacterial flagellum? > Filament, hook and basal body

Q5) Identify an example of organisms that are free-swimming and bottom-dwelling forms.> Zooplankton

Q6) In what form is the energy derived from the food that we eat is stored in our body? > Glycogen

Q7) Which of the following animals have a single opening in their digestive system that serves both as a mouth and an anus? > Platyhelminthes

Q8) Identify the organism that is NOT a pseudocoelomate.> Scorpions

Q9) What is the outermost layer found in the cell envelope of the bacterial cell called? > Glycocalyx

Q10) Which of the following statement is correct? >

I.> The nutrition requirements of adolescents are higher than adult.>

II.> Adolescents are generally grouped in the age group of 10 to 19 years.> Both I and II

Q11) Identify an example of decomposers that are found in the bottom of a pond.> Flagellates

Q12) There are _____ main types of cell division.> 2

Q13) Which of the following options is NOT correct about plant cells? >

The plant cells cannot divide by mitosis.

Q14) Identify an option that does NOT represent prokaryotic cells.> Sperm

Q15) The body of the _____ is circular in cross-section, hence, the name roundworms. They may be free living, aquatic and terrestrial or parasitic in plants and animals.> Aschelminthes

Q16) Identify the animal that is NOT a non-chordate.> Repltiles

Q17) Nuts, vegetable oil and fish are good source of which of the following? > Healthy fats

Q18) Which of the followings HYV seeds is/are associated with the Green Revolution in India? > Both A and B

(A) Rice

(B) Wheat

Q19) Identify a protein-digesting enzyme.> Pepsin

Q20) A group of ribosomes attached to mRNA is known as: polysomes

Q21)

Match Column-A with Column-B

| Column-A (Organelle) | Column-B (Function) |
|---|---|
| i. Mitochondria | a. Protein synthesis |
| ii. Ribosomes | b. Regulation of activity of a cell |
| iii. Nucleus | c. Digestive system of a cell |
| iv. Lysosomes | d. Energy generation |

i-d, ii-a, iii-b, iv-c

Q22) An undifferentiated layer, _____, is present in between the ectoderm and the endoderm.> Mesoglea

Q23) Identify an example of diploblastic animals.> Coelenterates

Q24) In a food chain, secondary producers are

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_____.> herbivores

Q25) What happens to the decomposition rate when detritus is rich in lignin and chitin? > It is slower

Q26) Identify a dark-coloured amorphous substance that is highly resistant to microbial action and undergoes decomposition at an extremely slow rate.> Humus

Q27)

Match column A with column B.

| Column A | Column B |
|---|---|
| i. Kwashiorkor | a. Iodine deficiency |
| ii. Weak bones and muscles | b. Iron deficiency |
| iii. Anaemia | c. Calcium deficiency |
| iv. Goitre | d. Protein deficiency |

i-d, ii-c, iii-b, iv-a

Q28) Who among the following proposed the term 'ecosystem'? > AG Tansely

Q29) Identify the function of plasmid DNA.> To confer certain unique phenotypic characters to bacteria

Q30) Which of the following is NOT a goal for the Green Revolution? > Expansion of irrigation

Q31) Which nutrient is chlorella rich in? > Protein

Q32) In leaves transpiration takes place through _____.> Stomata

Q33) Identify the function of the enzyme trypsin.> Digesting proteins

Q34) _____ is a group of cells similar in structure and function.> Tissue

Q35) Which of the following are food preservatives? > Salt, sodium nitrite, spices and vinegar

Q36) Identify the correct statement about green algae.> Green algae usually have a rigid cell wall made of an inner layer of cellulose and an outer layer of pectose.

Q37)

Match Column-A with Column-B

| Column-A | Column-B |
|---|---|
| i. G1 | a. Cell synthesises a complete copy of the DNA |
| ii. S | b. First gap phase, the cell grows physically larger |
| iii. G2 | c. Cell begins to reorganise its contents in preparation for mitosis |
| iv. M | d. Cell divides its copied DNA and cytoplasm to make two new cells |

i-b, ii-a, iii-c, iv-d

Q38) In a lake ecosystem, the primary consumers are _____.> zooplankton

Q39) Identify an example of organisms that do NOT belong to the third trophic level.> Cows

Q40) Identify the statement that is NOT true about ATP.> Secretion of enzymes

Q41) Husk of a coconut is made of _____ tissue.> Scherenchyma

Q42.> In the first phase of the green revolution, the use of HYV seeds was restricted to the more affluent of which group of states? > Punjab, Tamil Nadu and Andhra Pradesh

Q43.> Identify the step that is NOT a part of decomposition.> Soil erosion

Q44.> Salamander belongs to which of the following classes? > Amphibian

Q45.> In which of the following groups, are all plants monoecious? > Maize, Cucumber, Fig and Melon

Q46.> _____ is the fundamental structural unit of living organisms.> Cell

Q47.> Which of the following cells line the spongocoels and canals in members of the phylum Porifera? > Collar cells

Q48.> Identify the longest part of bacterial flagellum.> Filament

Q49.> What is the role of ribosomes of a polysome? > The ribosomes of a polysome translate the mRNA into proteins.

Q50.> Identify animals that are NOT triploblastic.> Coelenterates

Q51.> Identify a marine alga that is used as food.> Sargassum

Q52.> Most of the Chlorophyceae have one or more storage bodies called _____ located in the chloroplasts.> Pyrenoids

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Q53.> Synecology can be defined as which of the following? > A branch of ecology that deals with the structure, development and distribution of ecological communities

Q54.> Which of the following is a plant tissue? > Both I and II

I.> Meristematic tissue

II.> Permanent tissue

Q55.> Which food requires a longer small intestine to digest food? > Grass

Q56.> Why does one get cramps after sudden physical activity? > The build-up of lactic acid in our muscles during sudden activity causes cramps

Q57.> Cells of meristematci tissue lack _____.> Vacuoles

## SSC CPO 2022 General Awareness Biology by Shubham Jain (RBE)

Q1. Which of the following is a diverse group of aquatic organisms capable of photosynthesizing? Algae

Q2. In ecology, _____ is determined by dividing the biomass per unit area by the age of the forest ecosystem. biomass productivity

Q3. A species of grass named _____ is on the verge of extinction due to its insensitivity towards the environment. Hubbardia heptaneuron

Q4. Which of the following is NOT a type of chromosome, on the basis of the location of the centromere? Lophocentric

Q5. Starches found in breads, cereals and pasta are made up of long chains of _____. glucose

Q6. Bacterial and fungal enzymes degrade detritus into simpler inorganic substances. This process is called as _____. catabolism

Q7. "The vitamin is found in Liver, milk, eggs, fish. It helps in forming RBC. Deficiency of this vitamin causes anemia."

Which vitamin is being referred in the above statement? Vitamin B12

Q8. Which membrane-bound cell organelle consisting of a small sac-like structure surrounded by single membranes serves as the cell's digestive system, allowing material taken from outside the cell to degrade and digest obsolete components of the cell? Lysosome

Q9. Conifers, cycads and ginkgo plants belong to which of the following plant groups? Gymnosperm

Q10. Which of the following can be used as an instant energy booster? Banana

Q11. Which of the following pair of plant disease – microorganism is correct? Only II

I. Citrus canker – Virus

II. Rust of wheat – Fungi

Q12. Scurvy is caused by not having enough _____, resulting in general weakness, anaemia, gum disease and skin bleeding. ascorbic acid

Q13. Which of the following is a severe form of malnutrition that commonly affects infants and toddlers, most often around the age of weaning through age 5? Kwashiorkor

Q14. In an ecosystem, vertical distribution of different species occupying different levels is called _____. stratification

Q15.Which of following pair of plastids – thing stored is NOT correct? Neither I nor II

I. Amyloplasts – oils and fats

II. Aleuroplasts – carbohydrates

Q16. The _____ principally performs the function of packaging materials, to be delivered either to the intra-cellular targets or secreted outside the cell. golgi apparatus

Q17. Which of the following pair of microorganism – type is correct? Neither I nor II

I. Paramecium – Fungi

II. Penicillium – Protozoa

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Q18. Which level of the food chain includes Typha bulrushes, Sagittaria, Hydrilla, Rupia, Chara, occurring in concentric layers from the periphery to the deep regions? Producers

Q19. Which of the following is NOT a function of calcium in our body? It helps the digestive system.

Q20. Which cell organelle is a stacked membranous sac of ER-like thickness that helps to process and package proteins and lipid molecules, especially fixed proteins? Golgi apparatus

Q21. Which thin flexible barrier separates the internal environment of the cell from the extracellular fluid? Plasma membrane

Q22. One of the _____, the giant redwood tree Sequoia is one of the tallest tree species. gymnosperms

Q23. "There are holes or 'pores', all over the body. They are commonly called sponges, and are mainly found in marine habitats."

The above statement signifies which of the following phylum? Porifera

Q24. Which of the following pair of human disease – microorganism – mode of transmission is correct?

I. Tuberculosis – Virus – Air

II. Chicken Pox – Virus – Water/Food Neither I nor II

Q25. Which of the following pair of mineral – need is correct? Only I

I. Iron – formation of hemoglobin

II. Sodium – proper functioning of thyroid

Q26. Amylase enzyme can be found in _____. saliva

Q27. Cycas is an example of which of the following animal phylum? Gymnosperms

Q28. Malic acid is most abundantly found in _____. apple

Q29. Which aquatic microorganisms eat phytoplankton and then become food for fish, crustaceans and other large species? Zooplankton

Q30. Which plants are included in Thallophyta? Ulva, Chara and Cladophora

Q31. In species of Eudorina, the fusion of two different sized gametes is called _____. Anisogamous

Q32. Nuts, vegetable oil and fish are rich sources of _____. Omega-3

## SSC Stenographer 2022 all BIOLOGY QUESTIONS By Shubham Sir (RBE)

Q.1)- Which of the following provides a definite shape to cells?--> Membrane

Q.2)- Which cell organelle has a central core of a crystalline material called a nucleoid composed of urate oxidase crystals?--> Peroxisome

Q.3)- Which of the following is the green algae?--> Chlorophyceae

Q.4)- Ecology was first described as a separate field of knowledge in _____ by the German zoologist, Ernst Haeckel.--> 1866

Q.5)- Puccinia is a parasitic:--> fungus

Q.6)- What is an Azolla?--> Fern

Q.7)- Bilateral symmetry, segmentation, coelom and open circulatory system are the characteristics of _____.--> Arthropoda

Q.8)- In which algae are gametes flagellated and similar in size?--> Ulothrix

Q.9)- In 1942, who presented the 'trophic-dynamic aspect of ecology' which is the basic process of transfer of energy from one trophic level to another in an ecosystem?--> Raymond L Lindeman

Q.10)- Which of the following has the maximum Vitamin D content?--> Fish liver oil

Q.11)- What organic compounds are found in the cells of apples, and when these are exposed to oxygen in the air, for example through slicing, the oxygen causes reaction?--> Phenols

Q.12)- Double helical model of DNA was proposed by _____.--> Watson and Crick

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Q.13)- What do you call the amount of organic matter produced per unit area over a time period by plants during photosynthesis?--> Primary production

Q.14)- In which of the following are ovules NOT enclosed by any ovary wall?--> Gymnosperm

Q.15)- The cell is NOT applied for:--> virus

Q.16)- Which scientist explained that cells divide and new cells are formed from pre-existing cells?--> Rudolf Virchow

Q.17)- Beriberi is caused due to the deficiency of _____.--> vitamin B

Q.18)- In 1898, which one from the following chemist discovered neon by cooling a sample of air to a liquid state, heating the liquid and capturing gases upon boiling?--> William Ramsay

Q.19)- Select the FALSE statement with reference to the food chain.--> Only producers of food chain form a trophic level.

Q.20)- Select from the following the biotic component of an ecosystem.--> Decomposer

Q.21)- Which of the following vitamins helps our body to use calcium for bones and teeth?--> Vitamin D

Q.22)- Which of the following is NOT a complete protein source?--> Nuts

Q.23)- What is another term for bio-catalyst?--> Enzyme

Q.24)- Which of the following is a tertiary consumer?--> Lion

Q.25)- Which of the following is NOT the correct match?--> Chloroplast- Altman

Q.26)- Which of the following family of flowering plants is zygomorphic (meaning a flower can be cut into two equal halves only through a radius), bisexual and complete and whose calyx consists of five sepals?--> Fabaceae family

Q.27)- Goitre is caused due to the deficiency of ____.--> iodine

Q.28)- Rickets is caused due to the deficiency of _____.--> vitamin D

Q.29)- Magnesium is present in which of the following?--> Chlorophyll

Q.30)- What is the primary source of energy in an ecosystem?--> Sunlight

Q.31)- Which of the following combinations is NOT correctly matched?--> Ammonotelic – cartilaginous fish

## SSC Selection phase X (August 2022) Biology (All levels) by Shubham Jain (RBE)

### GRADUATION LEVEL

Q.1)- Which amino acid is essential for healthy skin and teeth, as it is a component of tooth enamel, collagen and elastin?--> Threonine

Q.2)- Which floating fern damages aquatic ecosystems by outgrowing and replacing native plants that provide food and habitat for native animals and waterflow?--> Giant salvinia

Q.3)- What is the name of a protein that polymerizes into long chains or filaments that form microtubules, hollow fibres that act as the skeletal system for living cells?--> Tubulin

Q.4)- Which is a peptide hormone secreted from the alpha cells of the pancreatic islets of Langerhans that is used along with emergency medical treatment to treat very low blood sugar?--> Glucagon

Q.5)- In 1912, who proposed the 'vitamin hypothesis', the concept that the deficiency diseases of beriberi, scurvy, pellagra and rickets are caused by the absence of specific chemical substances (in trace amounts) in the diet?--> Casimir Funk

Q.6)- Deficiency of which vitamin causes symptoms like tingling in the tongue, anaemia, white patches on the skin, mouth ulcers and shortness of breath?--> Vitamin B12

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## HIGHER SECONDARY LEVEL

Q.1)- Which of the following vitamins is ABSENT in egg?--> Vitamin C

Q.2)- Our brain mainly depends on which of the following food?--> Only glucose

Q.3)- Which antimicrobial enzymes are present in milk?--> Lactoferrin, lactoperoxidase, and lysozyme

Q.4)- The custom of decorating eggs is practiced during which of the following festivals?--> Easter

Q.5)- Eugenol is a major component of:--> clove

Q.1)- Which of the following statements is correct?--> Trophic level-1 has maximum energy.

Q.2)- The 'Blood Sugar' disease is also known as:--> Diabetes

Q.3)- Which of the following statements is correct about nutrients?--> Nutrients are molecules that all organisms need for growth, development and reproduction.

Q.4)- Which enzyme is present in pancreatic juice?--> Amylase

Q.5)- Cholesterol rich food can lead to:--> cardiovascular disease

Q.6)- Myopia is also known as:--> near-sightedness

Q.7)- Which of the following pairs is correctly matched?--> Vinegar – Acetic acid

essential oil

Q.6)- Which of the following is an example of perishable foods that CANNOT be stored for more than a day or two at room temperature, i.e., they have a shelf life of 1 or 2 days?--> Milk

Q.7)- Which of the following is able to regenerate our digestive system with good microbes that will neutralise the harmful ones?--> Probiotics

## MATRICULATION LEVEL

Q.8)- Which of the following is a unicellular organism?--> Paramoecium

Q.9)- What kitchen ingredient is used as a natural preservative for pickles that triggers osmosis by attracting water and driving it across the membrane?--> Kitchen salt

Q.10)- Which type of protein is found in milk?--> Casein and whey protein

Q.11)- The parasitic mode of nutrition is used by:--> tape-worms

Q.12)- Human blood is grouped into _____ main types.--> four

Q.13)- Which of the following animals have the longest small intestine?--> Herbivores

(Herbivores)

SSC Head Constable Ministerial General studies BIOLOGY by Shubham Jain (RBE)

Q1. The most common cause of Goiters (Irregular growth of the thyroid gland) worldwide is a lack of _____

(a) Iron (b) Iodine (c) Potassium (d) Sodium

Ans: b

Q2. Elephantiasis is also known as lymphatic filariasis, it's caused by parasitic worms, and can spread from person to person through _____

(a) Protozoa (b) Virus (c) Reptiles (d) Mosquitoes

Ans: d

Q3. Which of the following is the major female hormone?

(a) Estrogen (b) Progesterone

(c) Testosterone (d) Cortisol

Ans: a

Q4. Hair is primarily made up of which of the following proteins?

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(a) Dystrophin (b) Tubulin (c) Keratin (d) Myosin

Ans: c

Q5. Meningitis is an inflammation of the fluid and membranes of which of the following organs?

(a) Brain (b) Kidney (c) Intestine (d) Liver

Ans: a

Q6. "A procedure that involves the transplantation, implantation or infusion into a human recipient of either (a) live cells, tissues, or organs from a nonhuman animal source, or (b) human body fluids, cells, tissues or organs that have had ex vivo contact with live non-human animal cells, tissues or organs" is called what?

(a) Anotransplantation (b) Zootransplantation

(c) Xenotransplantation (d) Biotransplantation

Ans: c

## SSC CGL 2021 (Biology) Compilation

Q.1)- The numerical taxonomy of plants is based on which of the following?--> All observable characteristics

Q.2)- Which of the following statements is correct with respect to chordates?--> Notochord is present

Q.3)- Why is water fluoridation, which is the controlled adjustment of fluoride to public water supply, done?--> To prevent tooth decay

Q.4)- Poor sanitation conditions may NOT be the likely reason behind which of the following diseases/conditions?--> Arthritis

Q.5)- Which of the following diseases CANNOT be prevented by vaccination?--> Beri beri

Q.6)- The foul smell from a body specially during a sultry summer is due to the action of _____ on sweat.- -> bacteria

Q.7)- Which of the following is NOT a part of a flower?--> Petiole

Q.8)- Camellia sinensis is a plant that produces _____.--> tea

Q.9)- Which of the following is a characteristic of permanent tissue?--> Intercellular spaces are present

Q.10)- _____ is concerned with constructing records of past climates and climatic events by analysis of tree growth characteristics, especially growth rings.--> Dendroclimatology

Q.11)- _____, a fluid secreted by new mothers during the initial days of lactation, contains nutrients that boost a baby's immune system and helps fight infection.--> Colostrum

Q.12)- Which of the following animals has more than one heart?--> Octopus

Q.13)- Which of the following is a characteristic of fibres in relation to plant anatomy?--> Possess only pitted thickenings

Q.14)- A typical adult human body contains about _____ of magnesium.--> 25 g

Q.15)- Which of the following is the study of insects and their relationship to humans, the environment, and other organisms?--> Entomology

Q.16)- Which of the following belongs to the family of 'Hominidae'?--> Man

Q.17)- According to World Health Organization (WHO), "Hygiene refers to _____ and practices that help to maintain _____ and _____ the spread of diseases."--> conditions, health, prevent

Q.18)- Which of the following is a type of plant disease?--> Blight

Q.19)- Which of the following is NOT abiotic?--> Plant

Q.20)- Which of the following is an example of 'Arthropod'?--> Scorpion

Q.21)- Which of the following is a disease caused by drinking contaminated water?--> Cholera

Q.22)- Organisms belonging to the phylum _____ are also called 'flatworms'.--> Platyhelminthes

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Q.23)- Which of the following does NOT belong to 'Kingdom Fungi'?--> Euglena

Q.24)- The scientific name for the domestic _____ is Canis lupus familiaris.--> dog

Q.25)- Bacille Calmette-Guérin (BCG) is a vaccine for _____.--> tuberculosis (TB)

Q.26)- _____ is a disorder resulting in abnormal electrical discharges from the brain cells causing seizures.--> Epilepsy

Q.27)- The branch of horticulture which deals with the production, storage, processing and marketing of vegetables is called _____.--> pomology

Q.28)- Which of the following is a carnivorous plant?--> Drosera

Q.29)- Solids like fats, grease and oil that float on top of liquid wastewater is called _____.--> sludge

Q.30)- Colloidal systems – such as gum, starch, proteins, cellulose, agar and gelatine – when placed in water, will absorb a large volume of water and swell up. These substances are called _____.--> imbibants

Q.31)- Which of the following is the middle layer in the root apical meristem that gives rise to the cortex?--> Periblem

Q.32)- Which of the following is NOT a type of mosquito?--> Limulus

Q.33)- In the context of the spread of germs by faecal matter, which of the following does NOT figure in the F-Diagram?--> Fungi

Q.34)- How many eyes does a bee have?--> Five

## SSC CHSL 2021 (Exam held in 2022) BIOLOGY ALL QUESTIONS (RBE)

Q.1)- Which level of the food chain includes millipede, springtails, woodlice, dung flies and slugs that feed on the dead or decaying plants or animals?--> Detritivores

Q.2)- Which cell theory proved that the quasi-fluid nature of lipid enables lateral movement of proteins within the overall bilayer?--> Fluid mosaic model

Q.3)- Which of the following Marathi writers was the author of the autobiography 'Majya Jalmachi Chittarkatha'?--> Shantabai Krushnaji Kamble

Q.4)- Which of the following is a type of bryophyte that lives in many environments and is characterised by its small, flattened leaves, root-like rhizoids, and peristome?--> Funaria

Q.5)- Which red-orange pigment found in plants and fruits, especially carrots and colourful vegetables, acts as a powerful antioxidant that can benefit our brain, skin, lungs, and eye health?--> Beta-carotene

Q.6)- Under the electron microscope, which cell organelle is visible as either clusters or single, small dots that float freely in the cytoplasm?--> Ribosomes

Q.7)- Identify the element that helps to trap light energy that is essential for photosynthesis.--> Carotenoid

Q.8)- Which of the following artificial colouring agents is used in dietary supplements, sauces, soups and broths, bakery, dairy fats and oils, seafood, condiments, breath fresheners, desserts, convenience foods and beverages?--> Quinoline yellow

Q.9)- How do the red algae reproduce vegetatively?--> Fragmentation

Q.10)- Which of the following is a type of large, brown seaweed that grows in shallow, nutrient-rich salt water near coastal fronts around the world?--> Kelp

Q.11)- How is tuberculosis spread in humans?--> Droplet infection

Q.12)- Which of the following is NOT a symptom of Beriberi caused due to the deficiency of Vitamin B1?--> Slowly healing wounds

Q.13)- Which of the following is NOT a symptom of Beriberi caused due to the deficiency of Vitamin B1?--> Slowly healing wounds

Q.14)- Which of the following is a group of primitive vertebrates having a large jawless

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sucking mouth, no limbs or paired fins and a completely cartilaginous skeleton with a persistent notochord?--> Cyclostomata

Q.15)- Identify the cell that is amoeboid in shape.--> White blood cell

Q.16)- Which group of animals has a body wall composed of both circular and longitudinal muscle fibres surrounded by a moist, cellular cuticle that is secreted by an epidermal epithelium?--> Annelida

Q.17)- What is the mode of adaptation done by aquatic plants and animals where the osmotic concentration of the body fluids changes with that of the ambient air and water osmotic concentration?--> Conform

Q.18)- In 1869, who named a new term 'Oecologie'that defined the study of the relationship of organisms with their environment?--> Ernst Haeckel

Q.19)- Which day marks the founding of the World Health Organization (WHO) and aims to draw the attention to the important health issues facing the world every year?--> 7th April

Q.20)- Which statement is NOT correct regarding the food chain?--> In food chain, energy level increases from lower trophic level to higher trophic level.

Q.21)- Which is a visible sign of severe iodine deficiency?--> Swelling in the neck

Q.22)- Which vitamins are present in Milk?--> Vitamin A, B and D

Q.23)- Which structural layer surrounds the algal, fungal and plant cells and provides tensile strength and protection against mechanical and osmotic stress?--> Cell wall

Q.24)- Which is a perennial carnivorous plant of the sundew family that attracts preys and usually traps insects and then breaks them down with digestive enzymes?--> Venus flytrap

Q.25)- Which of the following statements is correct about mitochondria?--> Mitochondria without outer membrane is called mitoplast.

Q.26)- In 2019, which disease,according to WHO,was ranked as the seventh leading cause of death globally?--> Alzheimer's disease

Q.27)- In cell biology, what is a large double-membraned organelle that is sometimes referred to as the 'central unit' of the cell because it contains the chromosomes that bear genetic material?--> Nucleus

Match the column A with column B.

| Column-A (vitamin) | Column-B (Source) |
|---|---|
| i. Vitamin A | a. Carrot, mango, papaya |
| ii. Vitamin B | b. Whole grain bread and nuts |
| iii. Vitamin C | c. Citrus fruits, red and green pepper |
| iv. Vitamin D | d. Egg yolk, soya product |

Q.28)- --> i - a, ii - b, iii - c, iv - d

Q.29)- How is food stored in brown algae?--> In the form of complex carbohydrates that may be in the form of laminarin or mannitol

Q.30)- A balanced diet takes care of all the following aspects, EXCEPT one. Identify the aspect.--> Promotes a healthy mind

Q.31)- In animal cells, which membrane-bound cell organelles are generally smaller and help to separate waste products?--> Vacuoles

Q.32)- Metabolic reactions in our body are carried out by:--> proteins

Q.33)- Which ecologist's research provided revolutionary new insights into how energy and nutrients move through the ecosystems?--> Raymond L Lindeman

Q.34)- Identify the component that is unique only to prokaryotes.--> Mesosome

Q.35)- Identify the plant that shows adaptation through leaves that are reduced to spines.--> Opuntia

Q.36)- Which phylum of the Kingdom Animalia includes animals such as Hydra, Adamsia, Physalia and Corals?--> Coelenterata

Q.37)- Identify the component found only in a eukaryotic cell.--> Nuclear membrane

Q.38)- Who shared the Nobel Prize in Physiology or Medicine 2005 with Barry J Marshall for the discovery of the Helicobacter pylori bacterium and its role in gastritis and peptic ulcer disease?--> J Robin Warren

Q.39)- What is the common name of Parthenium hysterophorus?--> Carrot grass

Q.40)- Whose autobiography is called "Ardhakathanak"?--> Banarasi Das Jain

Q.41)- What is a way in which adaptation does NOT take place?--> Emotional

Q.42)- What kind of adaptation is seen in bacteria when they form various kinds of thick-walled spor--> Suspend

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Q.43)- Which of the following techniques can be used to separate the impurities in Milk?--> Column chromatography

Q44)- The bodies of the animals of phylum Platyhelminthes show _____ grade organisation.--> tissue-organ

Q.45)- Find the odd one out with respect to animals' response to abiotic factors.--> Reproduce

Q.46)- Which is the major microtubule-organising centre (MTOC) in eukaryotic cells involved in various cellular processes, including sensory reception, locomotion, and embryogenesis?--> Centrosome

Q.47)- Which phylum of the plant kingdom consists of vascular plants, leaves (known as fronds), roots and sometimes true stems and entire trunks in tree ferns?--> Pteridophyta

Q.48)- Which cycle shows the movement of water?--> Hydrological cycle

Q.49)- Which unicellular organism acquires food by a process in which cells absorb external material by engulfing it with the cell membrane?--> Amoeba

Q.50)- DDT adversely affects our environment because:--> it can kill beneficial insects like honey bees

Q.51)- What components are often called the building blocks of the body that play a vital role in helping to repair and strengthen muscle tissues after exercise?--> Proteins

Q.52)- Which of the following characters are correct about Phylum Echinodermata?--> Coelom present, bilateral symmetry

Q.53)- How do humans acclimatise at high altitudes where atmospheric pressure is low for normal breathing?--> By increasing red blood cell production, decreasing the binding affinity of haemoglobin and by increasing breathing rate

Q.54)- Which disease refers to the inflammation of the liver caused by a variety of infectious viruses and non-infectious agents leading to a variety of health problems?--> Hepatitis

Q.55)- What is the role of ribosomes of a polysome?--> Translate the mRNA into proteins

Q.56)- Identify the disease that is caused due to inadequate secretion of the hormone insulin from the pancreas?--> Diabetes mellitus

Q.57)- Which of the following microscopic cells are of an amoeboid shape with a distinctive central mem

brane?--> White blood cells

Q.58)- Which algae produces agar?--> Gracilaria

Q.59)- Which membrane-bound organelles, first discovered in 1857, are often referred to as the 'energy factories' of the cell because they are responsible for making adenosine triphosphate (ATP), the cell's main energy-carrying molecule?--> Mitochondria

Q.60)- Which enzyme is present in saliva?--> Amylase

Q.61)- Choose the correct sequence for central dogma.--> DNA Replication, m-RNA transcription, Protein translation

Q.62)- Which biological stain is used in histology and cytology to colour all cell nuclei red?--> Safranin

Q.63)- With whom did Camillo Golgi receive the Nobel Prize in 1906 for his work on the structure of the nervous system?--> Santiago Ramony Cajal

Q.64)- Which is the toxin-causing bacterium that spoils cream, cheese and milk and makes them taste bitter, sour or bitter?--> Bacillus cereus

Q.65)- What is a biotechnological process accomplished by yeast, some type of bacteria, or some other microorganism to convert sugar into ethyl alcohol and carbon dioxide?--> Alcoholic fermentation

Q.66)- Identify the alga that is NOT a marine algae.--> Chlorella

Q.67)- Which of the following leucoplasts store oil and fat?--> Elaioplasts

Q.68)- What is the common name of the members of family Phaeophyceae?--> Brown algae

Q.69)- A pyramid of biomass is a diagram that shows the population at each level of the food chain. Accordingly, _____ occupy the base with the highest biomass.--> producers

Q.70)- Name a common ingredient made from the starchy part of corn kernels used as a thickening agent for gravies, marinades, sauces, soups and casseroles.--> Corn starch

Q.71)- What disease in adults means 'soft bones' that usually develops due to a deficiency of vitamin D (often from not getting enough sunlight), or less often, digestive or kidney disease?--> Osteomalacia

Q.72)- Malaria is a deadly disease caused by parasites that are transmitted to people through

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the bite of _____.--> Anopheles mosquito

Q.73)- Identify the disease caused by a monkey bite.--> Rabies

Q.74)- What do you call a base that dissolves in water?--> Alkali

Q.75)- Which of the following are the most primitive non-vascular plants?--> Bryophytes

Q.76)- Which protein acts like a binder, holding food together and adding a 'stretch' property, and is found naturally in some grains, including wheat, barley, and rye?--> Gluten

Q.77)- Which of the following are non-vascular flowerless plants in the taxonomic division of Bryophyta?--> Mosses

Q.78)- In the early 1980s, an aspartic acid-containing dipeptide sweetener was discovered, that was about 2000 times sweeter than sucrose. What is the name of that sweetener?--> Alitame

Q.79)- In 1838, who published an article discussing the structure and origin of plant cells?--> Matthias Schleiden

Q.80)- Which term is used to describe all living communities on earth, including animals, plants, bacteria, fungi and photosynthetic microbes?--> Biosphere

Q.81)- Which of the following serves as the cell's digestive system, serving both to degrade material taken from outside the cell and to digest the undigested components of the cell?--> Lysosomes

Q.82)- For what discovery was Jan Evangelista Purkinje known in 1839?--> Coined the term protoplasm

Q.83)- Phytoplankton, small sea-dwelling organisms, belong to which trophic level of the food web?--> Primary producers

Q.84)- Identify a way that does NOT prevent a non-communicable disease from occurring in someone.--> Blood transfusion

Q.85)- In 1674, who used a single-lens microscope to examine pond water and observed dozens of protists, which he called 'animalcules', as well as spirogyra, or green algae?--> Anton Van Leeuwenhoek

Q.86)- The body of animals of the phylum Protozoa, such as Paramecium, Amoeba, Euglena, shows _____ grade organisation.--> protoplasmic

Q.87)- In 1879, who observed cell division in salamander embryos, where cells divide at fixed intervals?--> Walther Flemming

Q.88)- In which year did Rudolf Virchow published an essay titled 'Cellular Pathology' in which he famously declared that "every cell arises from another cell"?--> 1855

Q.89)- Which is a major essential lipophilic (fat-soluble) vitamin required for the protection of cell membranes and the formation of red blood cells (RBCs)?--> Vitamin E

Q.90)- In which state is cactus vegetation found in dry areas of Thorny Bushes in the form of spines?--> Rajasthan

## SSC MTS and Havaldar 2021 (Exam held in July 2022) Biology by Shubham Jain (RBE)

Q.1)- Which of the following statements is INCORRECT?--> Living beings inhale metals during respiration.

Q.2)- _____ जीवित जीवों के क्षेत्र और पर्यावरण के साथ उनके पारस्परिक व्यवहार को इंगित करता है।--> जीवमंडल (बायोस्फियर)

Q.3)- Savi is suffering from Kwashiorkor. Which of the following deficiencies causes it?--> Deficiency of protein

Q.4)- Which of the following does NOT belong to Arthropoda group of animal kingdom?--> Octopus

Q.5)- Which of the following enzymes is found in saliva of human body which breaks down starch into simple sugar?--> Amylase

Q.6)- _____ includes all non-living components, such as air, cloud, dust, land, mountains, rivers, temperature, humidity, water, water vapour, sand, etc.--> Abiotic environment

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Q.7)- Which of the following glands/organs in human body secretes bile juice?--> Liver

Q.8)- Which natural compound helps in photosynthesis of plants?--> Chlorophyll

Q.9)- Which of the following is an example of Phylum Mollusca of the animal kingdom?--> Octopus

Q.10)- Where are villi present in the human alimentary canal?--> Small intestine

Q.11)- Which of the following organisms is responsible for sleeping sickness?--> Protozoa

Q.13)- Which of the following classifications do humans NOT fall under?--> Porifera

Q.14)- Spirogyra belongs to which group of plant kingdom?--> Thallophyta

Q.15)- Which of the following diseases is caused by the prolonged deficiency of vitamin D?--> Rickets

Q.16)- Which of the following cell organelles functions both as a passageway for intracellular transport and as a manufacturing surface?--> Endoplasmic Reticulum

Q.17)- Which of the following statements is correct regarding 'Arthropoda'?

I. These animals are bilaterally symmetrical.

II. They have jointed legs.--> Both I and II

Q.18)- Which of the following is NOT a polar animal?--> Lemur

Q.19)- Which of the following cell organelles is also known as the 'suicide bag' of a cell?--> Lysosome

Q.20)- Which of the following statements is/are correct?

I. Amoeba ingests its food with the help of pseudopodia.

II. Amoeba constantly changes its shape and position.--> Both I and II

Q.21)- Which of the following contains ascorbic acid (vitamin C) in the highest quantity?--> Guava

Q.22)- Which of the following minerals is responsible for synthesis of thyroxine hormone?--> Iodine

Q.23)- Which of the following are also called the amphibians of the plant kingdom?--> Bryophytes

Q.24)- n human beings, the small intestine is coiled and is about _____ metres long.--> 7 to 7.5

Q.25)- Which of the following diseases is caused by insulin deficiency or insulin resistance?--> Diabetes

Q.26)- Which of the following is NOT an example of Pteridophyta?--> Funaria

Q.27)- Which of the following statements is INCORRECT?--> Mollusca is the largest animal phylum.

Q.28)- Aves are warm-blooded animals and have a _____ heart.--> four-chambered

Q.29)- Which of the following does NOT fall under Non-Chordates?--> Vertebrata

Q.30)- When a cell divides by meiosis it produces _____ new cells.--> 4

Q.31)- Which of the following cell organelles help to keep the cell clean by digesting any foreign material as well as worn-out cell organelles?--> Lysosome

Q.32)- Tapeworm belongs to which group of the animal kingdom?--> Platyhelminthes

Q.33)- Which of the following animals is warm blooded?--> Cat

Q.34)- Which cell organelle performs the principal function of packaging materials?--> Golgi apparatus

Q.35)- The remains of the dead plants and animals trapped in the layers of rocks are called _____.--> fossils

Q.36)- Which of the following animals does NOT have a backbone?--> Spider

Q.37)- Which of the following is an example of Phylum Annelida of Animal Kingdom?--> Earthworm

Q.38)- _____ is a disease which is transmitted by the Aedes mosquito which lays eggs in water-logged places and multiply over time.--> Dengue

Q.39)- Which of the following is the largest gland in the human body?--> Liver

Q.40)- Which organelle is found both in eukaryotic and prokaryotic cells?--> Ribosome

Q.41)- To which of the following classes do parrots belong?--> Aves

Q.42)- In plant cell, _____ are primarily organelles in which materials such as starch, oils and protein granules are stored.--> leucoplasts

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Q.43)- A renowned scientist observed that the presence of green mould prevented the growth of bacteria. Who is the scientist and which discovery did this observation lead to?--> Alexander Fleming, Penicillin

Q.44)- Amoeba acquires its food through the process of _____.--> endocytosis

Q.45)- Which of the following is NOT a pair of micronutrients?--> Calcium and fats

Q.46)- Which of the following is NOT an example of an abiotic component of the ecosystem?--> Animal

Q.47)- Which of the following statements is correct about endoplasmic reticulum?

I. It is a large network of membrane-bound tubes and sheets.

II. It is similar in structure to the plasma membrane.--> Both I and II

Q.48)- What are the projections of varying lengths protruding out of an amoeba's body, which can appear and disappear, known as?--> Pseudopodia

Q.49)- Typhoid fever is caused by _____.--> bacteria

Q.50)- Tooth decay starts when the pH of the mouth is lower than _____.--> 5.5

Q.51)- Which of the following is a biotic component of ecology?--> Fungi

Q.52)- Which of the following is an example of Phylum Mammalia of Animal Kingdom?--> Rat

Q.53)- _____ is known as the energy currency of the cell.--> ATP

Q.54)- Earthworm belongs to which group of animal kingdom?--> Annelida

Q.55)- Which of the following cell organelles are NOT present in animal cell?--> Plastids

Q.56)- Which of the following diseases is caused by the deficiency of Vitamin A?--> Night blindness

Q.57)- A balanced diet should meet the RDAs for an individual. State the full form of RDA.--> Recommended Dietary Allowances

Q.58)- Which of the following types of plant is a seed bearing plant?--> Gymnosperm

Q.59)- Which of the following is an example of autotrophs?--> Green plants

Q.60)- Which of the following are situated in the nucleus of a cell?--> Chromosome and genes

Q.61)- Rama is suffering from chickenpox. What type of disease is it?--> Viral disease

Q.62)- Citric acid is commonly found in _____.--> oranges

Q.63)- The green plants in a terrestrial ecosystem capture about _____ of the energy of sunlight that falls on their leaves and convert it into food energy.--> 1%

Q.64)- Select the correct statement.--> The cytoplasm and nucleus are enclosed within the cell membrane, also called the plasma membrane.

Q.65)- The heart of a fish has _____ chambers.--> two

Q.66)- Which of the following is NOT a characteristic of Kingdom Fungi?--> With chloroplasts

Q.67)- Which of the following is/are example(s) of cold-blooded animals?

I. Turtles

II. Snakes--> Both I and II

Q.68)- Shyam is suffering from Beriberi. This is because he has a deficiency of _____.--> Vitamin B

Q.69)- Athlete's foot is a disease caused by _____.--> fungi

Q.70)- _____ is commonly known as imperfect fungi because only the asexual or vegetative phases of these fungi are known.--> Deuteromycetes

Q.71)- _____ is used to get rid of indigestion.--> Antacid

Q.72)- The angiosperms are divided into _____ groups on the basis of the number of cotyledons present in the seed.--> Two

Q.73)- The deficiency of which of the following vitamins causes Pellagra?--> B3

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# SSC Selection Post Phase 9 BIOLOGY

## Graduation Level

Q.1)- The exaggerated response of the _____ system to certain antigens present in the environment is called allergy.--> 4. immune

Q.2)- Which of the following does NOT figure among the Five Kingdom Classification proposed by RH Whittaker (1969)?--> 4. Euglena

Q.3)- Which of the following is NOT a disease caused by bacteria?--> 2. Malaria

Q.4)- Which of the following is an example of a natural pesticide?--> 3. Rotenone

Q5)- संचारी रोग अप्रत्यक्ष रूप से '5 Fs' के रूप में जाने जाते हैं। निम्नलिखित में से कौन सा उनमें नियोजित नहीं है?--> 3. कवक (Fungi)

Q.6)- स्पॉन्जिला _____ जल के स्पंज का एक उदाहरण है।--> 4. अलवण (fresh)

Q.7)- Which of the following is NOT a characteristic of Amphibia class of animals?--> 4. Amphibians' eyes are without eyelids.

Q.8)- Ascariasis, a disease is caused due to which of the following helminths is known to be pathogenic to man?--> 1. Common round worms

Q.9)- Different species of Plasmodium (a tiny protozoan) are responsible for different types of malaria, of these, malignant malaria which is the most serious is caused by _____.--> 1. plasmodium falciparum

Q.10)- What is the term used for a non-living part of an ecosystem that shapes its environment?--> 1. Abiotic factor

## Higher Secondary Level

Q.1)- Which of the following parasites are responsible for malaria in humans?--> Plasmodium

Q.2)- Which of the following vitamins are normally made in the kidneys?--> Vitamin D

Q.3)- Which of the following proteins is found in plasma?--> Albumin

Q.4)- Which of the following groups of animals are marine and characterised by a spiny skin?--> Phylum Echinodermata

Q.5)- Elephantiasis, also known as lymphatic filariasis, is caused by _____.--> parasitic worms

Q6)- Which of the following terms, also known as hypersensitivity, is used to describe a condition in which the human body has an exaggerated response to a substance (e.g. food or drug)?--> Allergy

Q.7)- Which of the following is NOT a barrier under innate immunity?--> Mental barriers

Q.8)- Each step or level of a food chain forms a trophic level. Which of the following is at the first trophic level of the said food chain?--> Autotrophs or the producers

Q.9)- In biological terminology, the naked-seeded plants are called _____.--> gymnosperms

Q.10)- Malaria disease is caused by which of the following type of protozoa?--> Plasmodium

## Matriculation Level

Q.1)- Respiratory failure is a condition in which your blood doesn't have enough _____ or has too much _____.--> 2. oxygen; carbon dioxide

Q.2)- Which of the following statements is INCORRECT about redworms ?--> Redworms need dry surroundings for their survival.

Q.3)- Mosaic is a viral disease that affects _____.--> plants

Q.4)- Human red blood cells are formed mainly in the _____.--> bone marrow

Q.5)- Cassowary, Kiwi and Rhea are examples of:--> Aves

Q6)- In the movement of the tectonic plates when one plate plunges beneath another it is called _____.--> subduction

Q.7)- The following are three processes of reproduction in plants:

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(a) Vegetative,

(b) Sexual,

(c) Asexual

Which of them is adopted by algae?--> (a), (b) and (c)

Q.8)- Which of the following is NOT a hermaphrodite?--> Queen honey bee

Q.9)- Sugarcane feedstock is readily fermented into _____.--> ethanol

Q.10)- Which of the following vitamin dependent carboxylase is found in the liver?--> Vitamin K

Q.11)- During the process of respiration in plants, which of the following is NOT released as a product?--> Oxygen

Q.12)- Which of the following statements is INCORRECT regarding DNA?--> The bases found in DNA come in only three varieties: adenine, cytosine and guanine.

Q.13)- Roots that grow out from the tree trunk and which helps to support the tree are called:--> buttress root

Q.14)- One of the most infectious human ailments, the common cold is caused by which of the following group of viruses?--> Rhinovirus

Q.15)- The most unique characteristic of animals of the Mammalia class is the presence of:--> mammary glands

## SSC CGL 2020 Tier-1 All Biology Questions

Q1)- _____ is the structural and functional unit of kidney.--> Nephron

Q2)- Carbon and energy requirements of an autotrophic organism are fulfilled by _____.--> photosynthesis

Q3)- How many arteries are there in an umbilical cord?--> Two

Q4)- Lymph is a light clear fluid made up of white blood cells that attack harmful _____ in the blood.--> bacteria

Q5)- Viscose fibre is obtained from _____.--> cellulose

Q6)- Which of the following diseases is caused by a parasite?--> Malaria

Q7)- Which of the following is a water-soluble vitamin?--> Vitamin C

Q8)- Which part of the body is associated with the rickets disorder?--> Bones

Q9)- _____ is a practice of establishing and managing individual trees generally for amenity purposes.--> Arboriculture

Q10)- _____ is a branch of biology that studies fungi.--> Mycology

Q11)- Which of the following is also called 'green algae'?--> Chlorophyceae

Q12)- Which of the following organs secretes hydrochloric acid that helps our body in killing pathogenic bacteria?--> Stomach

Q13)- Which of the following is another name for 'white ant'?--> Termite

Q14)- _____ is the ability of a single cell to produce a fertile, adult individual.--> Totipotency

Q15)- Melatonin encodes proteins in cells to prevent _____ entry.--> virus

Q16)- Which of the following popular kitchen ingredients is called the 'sugar eating fungus'?--> Yeast

Q17)- The vertebrae are a part of which of the following body systems in humans?--> Spinal cord

Q18)- What is the botanical name of mango?--> Mangifera indica

Q19)- Which of the following does NOT figure among the main functions of the root system of a plant?--> Supply of food to plant parts

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Q20)- Which of the following is NOT a storage root?--> Breathing root

Q21)- The colour of an emerald is generally _____.--> green

Q22)- Who among the following is the founder of the field of psychoanalysis?--> Sigmund Freud

Q23)- Plants grown at which of the following places take up carbon dioxide during the night?--> All options were incorrect in the exam

Q24)- Which of the following diseases is caused by bacteria?--> Diphtheria

Q25)- _____ is the pattern of veins in the blade of a leaf.--> Venation

Q26)- The scientific study of birds is called _____.--> ornithology

Q27)- Which of the following is the largest sea bird with the longest wingspan?--> Wandering Albatross

Q28)- _____ include/s glycogen, poly-β-hydroxybutyrate granules, sulphur granules and gas vesicles.--> Cytoplasm

Q29)- Collagen is a type of _____.--> protein

Q30)- Glucagon, a peptide hormone, is produced by the _____.--> pancreas

Q31)- Kala-azar disease is caused by _____.--> protozoa

Q32)- _____ is the water transporting tissue in plants.--> Xylem

Q33)- Spider webs are made up of _____, a natural fibre made up of protein.--> silk

Q34)- What do you call the property of an organism of self-regulation and the tendency to maintain a steady state within an external environment which is liable to change?--> Homeostasis

Q)- Which of the following is NOT a disease caused by a virus?--> Plague

Q35)- Which of the following plant hormones regulates growth, particularly by stimulating cell elongation in stems?--> All options were incorrect in the exam

Q36)- Which of the following body parts behaves like a stretched rubber sheet?--> Eardrum

Q37)- The liver is affected, and skin and eyes turn yellow due to the deposit of bile pigments. Which of the following digestive disorders is described here?--> Jaundice

Q38)- Which of the following is a flightless bird?--> Kiwi

Q39)- A/an _____ is a natural geo-hydrological unit of land, which collects water and drains it through a common point by a system of streams.--> watershed

Q40)- _____ is a sessile animal, that relies upon its relationship with plants like algae to build the largest structures of biological origin on earth.--> Coral

Q41)- The scientific study of dreams is called _____.--> oneirology

## SSC CHSL 2020 all Questions (BIOLOGY) By Shubham Jain (RBE)

Q.1)- AMR occurs when bacteria, viruses, fungi and parasites change over time and no longer respond to medicines making infections harder to treat and increasing the risk of disease spread, severe illness and death. What is the full form of AMR?--> **Antimicrobial Resistance**

Q.2)- Which of the following pigments causes the red colour in onions?--> **Anthocyanins**

Q.3)- Leprosy is caused by a bacterium called:--> **Mycobacterium leprae**

Q.4)- _____ was the first person who discovered cells.--> **Robert Hooke**

Q.5)- Enzyme linked immuno-sorbent assay is a technique used in detection of which of the following diseases?--> **Acquired immunodeficiency syndrome (AIDS)**

Q.6)- Which of the following chemicals is responsible for the yellow colour in urine?--> **Urobilin**

Q.7)- How many bones are there in the human hand?--> **27**

Q.8)- What is another name for the disorder called

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'parasomnia'?--> **Sleepwalking**

Q.9)- Tiny pores present on the surface of leaves are known as:--> **Stomata**

Q.10)- Cytology is related to the study of:--> **cells**

Q.11)- What is a leaf-shaped flap of cartilage located behind the tongue, at the top of the larynx or voice box called?--> **Epiglottis**

Q.12)- Which of the following is a trace mineral found in the human body?--> **Selenium**

Q.13)- Which part of the human body has the growth stages divided into - Anagen, Catagen and Telogen?--> **Hair**

Q.14)- In which part of the human body will you find the 'superior rectus'?--> **Eye**

Q.15)- Which of the following is NOT a water or hygiene related disease?--> **Diabetes**

Q.16)- Which of the following is a large bean-shaped lymphoid organ in the human body?--> **Spleen**

Q.17)- Trachoma is a preventable disease that results from poor hygiene and sanitation. Which of the following body parts does it affect?--> **Eye**

Q.18)- Down Syndrome, which causes learning difficulties and physical health development delays and disabilities, is a:--> **genetic disease**

Q.19)- Which of the following hormone is secreted by brain that helps to regulate sleep-wake cycles?--> **Melatonin**

Q.20)- Which of the following parts of the body/glands maintains the body temperature?--> **Hypothalamus**

Q.21)- Who discovered blood circulation?--> **William Harvey**

Q.22)- Which of the following diseases is caused by Leishmania, a protozoan organism?--> **Kala-azar**

Q.23)- Cuscuta is an example of:--> **parasite**

Q.24)- The cause of Siderosis is excessive deposition of _____ in the body tissue.–> **iron**

Q.25)- The deficiency of which of the following vitamins causes night blindness?--> **Vitamin A**

Q.26)- Which of the following statements about blood pressure is correct?--> **The normal systolic pressure is about 120 mm of Hg and diastolic pressure is 80 mm of Hg.**

Q.27)- From which of the following sources does the brain get energy?--> **Glucose**

Q.28)- The nucleus of a cell is surrounded by a jelly-like substance called:--> **cytoplasm**

Q.29)- World Thyroid Day is observed on _____.--> **25th May**

Q.30)- A mango tree is an example of a/an:--> **Autotroph**

Q.31)- Which of the following is a vector-borne disease?--> **Malaria**

Q.33)- The nephron is the microscopic structural and functional unit of the:--> **kidney**

Q.34)- Which of the following diseases damages the eye's optic nerve and results in vision loss and blindness and occurs when the normal fluid pressure inside the eyes slowly rises?--> **Glaucoma**

Q.35)- Which one of the following is a rare disease caused by the deficiency of Vitamin D that causes the bones to become soft and to bend?--> **Rickets**

Q.36)- Which of the following is the largest dental tissue?--> **Dentin**

Q.37)- _____ glands release tears from our eyes.--> **Lacrimal**

Q.38)- To which group of organic molecules does 'Monosaccharides' belong?--> **Carbohydrates**

Q.40)- Rickets and night-blindness are caused by the deficiency of _____ and _____, respectively.--> **Vitamin D, Vitamin A**

Q.41)- Swollen bluish veins resulting from the valves that do not close properly are called _____.--> **varicose veins**

Q.42)- Which of the following diseases is caused by Helicobacter pyroli?--> **Gastritis**

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## SSC CPO 2020 all Questions (BIOLOGY) By Shubham Jain (RBE)

Q.1)- Polio is caused by which of the following organisms?--> **Virus**

Q.2)- Which among the following birds impersonates the calls of other birds to steal food?--> **Drongo**

Q.3)- Conjunctivitis is an infection primarily related to _____.--> **Eye**

Q.4)- Leukaemia is a cancer of the:--> **blood**

Q.5)- Which part of the brain is instrumental in making it possible for a person to perform activity such as picking up a pencil from the floor?--> **Cerebellum**

Q.6)- Viticulture refers to the:--> **cultivation of grapes**

Q.7)- Which among the following are called the amphibians of the plant kingdom?--> **Bryophytes**

Q.8)- In respect of classification of algae, the members of Phaeophyceae are commonly called:--> **brown algae**

Q.9)- Which of the following terms is associated with the anatomy of the human heart?--> **Aorta**

Q.10)- Detritivores in the soil break down detritus into smaller particles. This process is called _____.--> **fragmentation**

Q.11)- When an infection occurs in contact with a host, material science, which is in the form of living or dead germs or other types of bacteria, then it can happen in future. Receive these types of qualities as _____ vengeance. --> Active

Q.12)- Nuclear membrane is absent in organisms that fall under kingdom _____.--> **Monera**

Q.13)- Called the farmer's 'friend', the _____ helps in the breakdown of complex organic matter as well as in loosening of the soil.--> **earthworm**

Q.14)- With reference to taxonomic categories, the term 'Mammalia' is a/an _____.--> **class**

Q.15)- A healthy individual has 12-16 grams of haemoglobin in every _____ ml of blood.--> **100**

Q.16) Organisms such as bacteria, viruses, fungi, protozoans, helminths, etc., that cause diseases in humans are called _____. **Frugivores**

Q.17) Tumours that normally remain confined to their original location and do not spread to otherparts of the body and cause little damage are called _____ Ztumours. **Premalignant**

Q.18) The phenomenon whereby the female gamete undergoes development to form new organisms without fertilisation in some organisms like rotifers, honeybees, some lizards and birds is called: **budding**

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## SSC Steno 2020 all Questions (BIOLOGY) By Shubham Jain (RBE)

Q.1)- Grafting and _____ are horticulture techniques used to join parts from two or more plants, so they appear to grow as a single plant.--> **budding**

Q.2)- Which of the following is a technique of watering plants by making use of narrow tubings which deliver water directly at the base of the plant?--> **Drip irrigation**

Q.3)- Which of the following is NOT a Mendelian disorder?--> **Turner Syndrome**

Q.4)- In human body, which of the following types of veins are located within muscle tissue and have a corresponding artery nearby?--> **Deep veins**

Q.5)- Which of the following members of the animal kingdom has a four-chambered heart?--> **Birds**

Q.6)- Which among the following produces bile in the

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human body?--> **Liver**

Q.7)- Which among the following is classified under Gymnosperms?--> **Pinus**

Q.8)- _____ is the study of the distribution and determinants of health-related states or events in specified populations, and the application of this study to the control of health problems.--> **Epidemiology**

Q.9)- The loss of weight of a body submerged (partially or fully) in a fluid is equal to the weight of the fluid displaced. Who among the following scientists was the first one to establish this phenomenon?--> **Archimedes**

Q.10)- Which of the following glands produces luteinizing hormone?--> **Pituitary**

Q.11)- Guinea Worm Disease (GWD) is an extremely painful _____ infection spread through contaminated drinking water.--> **parasitic**

Q.12)- Nitroglycerin extended-release capsules are used to ease and avoid a certain _____ disease symptom.--> **heart**

Q.13)- The lubricating fluid found between the two bones at a movable joint is called:--> **synovial**

Q.14)- Rearing of silk worms for the production of silk fibre is known as:--> **sericulture**

Q.15)- What is the term used for pollination by wind?--> **Anemophily**

Q.16)- Which of the following components of carrot does the human body convert into Vitamin A?--> **Beta carotene**

Q.17)- Small bead-like structures inside the ovary of a flower are called _____.--> **ovules**

Q.18)- मायकोलॉजी (Mycology) _____ का अध्ययन है।--> **कवक (fungi)**

Q.19)- In the context of respiration, the stage known as glycolysis involves the breaking down of _____ to pyruvic acid.--> **glucose**

Q.20)- Amebiasis or amoebic dysentery is a common parasitic infection of the intestines caused by any of the amoebas of _____ group.--> **entamoeba**

Q.21)- Which one of the following diseases is caused mainly by the deficiency of Vitamin C?--> **Scurvy**

Q.22)- Which of the following glands secretes the hormone called melatonin?--> **Pineal gland**

Q.23)- Which of the following vitamins is also known as riboflavin?--> **Vitamin B-2**

Q.24)- A/An _____ is a specialist in treating cancer and providing medical care to cancer patients.--> **oncologist**

Q.25)- The amoeba pushes out one or more finger-like projections called _____ or false feet for movement and capture of food.--> **pseudopodia**

Q.26)- Which of the following diseases is caused by the human itch mite?--> **Scabies**

Q.27)- BCG is the vaccine for tuberculosis. What is the full form of BCG?--> **Bacille Calmette-Guerin**

Q.28)- With which of the following organs of the human body is the discipline called hepatology concerned?--> **Liver**

## SSC MTS 2020 all Questions (BIOLOGY) By Shubham Jain (RBE)

Q.1)- Which of the following diseases is NOT caused by ingesting polluted water?--> **Rabies**

Q.2)- Which of the following diseases is NOT caused by ingesting polluted water?--> **Rabies**

Q.3)- What is the loss of bone density and strength known as?--> **Osteoporosis**

Q.4)- What does Ichthyology deal with?--> **Study of fish**

Q.5)- _____ is caused when a child's growing bones fail to develop due to a lack of vitamin D.--> **Rickets**

Q.6)- Which is the smallest bone in the human body?--> **Stapes**

Q.7)- Which of the following is NOT a type of blood cell made by the bone marrow?--> **Osteoclasts**

Q.8)- Which of the following body parts is directly affected in the disease called rickets?--> **Bones**

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Q.9)- Which of the following is responsible for the disease called 'mad hatter's disease'?--> **Mercury poisoning**

Q.10)- Which of the following statements about bryophytes is NOT true?--> **They have a specialised tissue for conduction of water and other substances from one part of the plant body to another.**

Q.11)- Starch and sugar in our food are forms of _____.--> **carbohydrates**

Q.12)- Which of the following fall under Phylum Cnidarian of the animal kingdom?--> **Corals**

Q.13)- Sponges belong to phylum _____ of the animal kingdom.--> **Porifera**

Q.14)- The size of the pupil of the eye is controlled by the _____.--> **iris**

Q.15)- What does Ornithology deal with?--> **Study of birds**

Q.16)- What is Agraphia?--> **Loss of the ability to write**

Q.17)- Nyctalopia, more commonly known as Night Blindness, is caused by the deficiency of which nutrient?--> **Vitamin A**

Q.18)- Which part of a flower is the sticky surface at the top of the pistil, it traps and holds the pollen?--> **Stigma**

Q.19)- Which of the following is the largest cell in the human body?--> **Ovum**

Q.20)- Which of the following are the cellular structures responsible for protein synthesis?--> **Ribosomes**

Q.21)- The deficiency of Vitamin _____ causes Pellagra.--> **B3**

Q.22)- Which causative agent is responsible for spreading AIDS?--> **Virus**

Q.23)- Which of the following statements is INCORRECT?--> **The liver is situated in the upper part of the abdomen on the left side.**

Q.24)- Which of the following is NOT a part of the hind-brain?--> **Hypothalamus**

Q.25)- Which microorganism among the following causes Cholera?--> **Bacteria**

Q.26)- Which of the following is an autotroph?--> **Plant**

Q.27)- Which of the following is the indigestible portion of our diet essential to the health of the digestive system?--> **Roughage**

Q.28)- Which of the following is the only water-soluble vitamin that can be stored in the liver for many years?--> **Vitamin B-12**

Q.29)- 'The fluid present between joints, that makes the movement of joints easy, is called:'--> **Synovial**

Q.30)- What is the coloured ring of tissue behind the cornea called, that regulates the amount of light entering the eye, by adjusting the size of the pupil?--> **Iris**

Q.31)- Which of the following converts glucose into glycogen (a complex carbohydrate used for storage) and amino acids into proteins?--> **Liver**

Q.32)- What do you call the transparent front part of the eye?--> **Cornea**

Q.33)- Tooth decay is caused by _____.--> **bacteria**

Q.34)- Which of the following diseases is NOT caused by a flavivirus?--> **Polio**

Q.35)- Who discovered the smallpox vaccine?--> **Edward Jenner**

Q.36)- Vitamin K deficiency in our body leads to:--> **delayed clotting of blood**

Q.37)- _____ is the field of study concentrated on pregnancy, childbirth and the postpartum period.--> **Obstetrics**

Q.38)- The impression of the body part of a dead insect on hardened mud is an example of a/an _____.--> **fossil**

Q.39)- Which of the following is an example of an infectious disease?--> **Tuberculosis**

Q.40)- In which of the following parts of the human body is the masseter muscle located?--> **Jaw**

Q.41)- Which of the following causative agents causes the disease 'kala-azar'?--> **Protozoa**

Q.42)- Who discovered the TB vaccine?--> **Leon Calmette and Camille Guerin**

Q.43)- What does Herpetology deal with?--> **Study of reptiles and amphibians**

Q.44)- Herbivores form the _____ trophic level in a food chain.--> **second**

Q.45)- Which of the following is a pivotal joint in the human body?--> **Joint where our neck joins the head**

Q.46)- Which of the following is a part of a leaf?--> **Petiole**

Q.47)- Famines caused by rat infestation during the flowering of Melocanna baccifera bamboo in parts of

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North-East India are known as the '_____' famines.--> **Mautam**

Q.48)- People who wear bifocal lenses have _____.--> **presbyopia**

Q.49)- The _____ is the term used for the reactions of photosynthesis that use the energy stored by the light-dependent reactions to form glucose and other carbohydrate molecules.--> **Calvin cycle**

Q.50)- Which of the following body parts is directly affected by the disease called 'trachoma'?--> **Eyes**

Q.51)- Which of the following is a complex substance that provides structural strength to plants?--> **Cellulose**

Q.52)- Which of the following is NOT important for individual health?--> **Public transport**

Q.53)- जब ऑक्सीजन के उपयोग के बिना, भोजन (ग्लूकोज) का अपघटन (breakdown) होता है, तो किस क्रिया को किस रूप में जाना जाता है?--> **अवायवीय श्वसन**

Q.54)- The sorting, tagging, packaging, and distribution of lipids and proteins in the human body take place in the:--> **Golgi apparatus**

Q.55)- Which of the following is NOT a synovial joint in the human body?--> **Sutures joint**

Q.56)- Which part of the plant allows for the uptake of carbon dioxide and limits the loss of water due to evaporation?--> **Stomata**

Q.57)- Which of the following diseases is caused by a protozoa parasite of Leishmania species?--> **Kala Azar**

Q.58)- Which of the following helps borrowers to overcome the problem of lack of collateral?--> **Self Help Groups**

Q.59)- Which tissue among the following is a protective tissue in the animal body?--> **Epithelial tissue**

Q.60)- Kwashiorkor is caused by severe deficiency of _____ in body.--> **Protein**

Q.61)- Which of the following vitamins is also called 'cyanocobalamin'?--> **Vitamin B-12**

Q.62)- For immunity against which of the following diseases is BCG vaccine given?--> **Tuberculosis**

Q.63)- Which of the following is/are called the 'powerhouse of the cell'?--> **Mitochondria**

Q.64)- _____ is a medical instrument used for listening to sounds produced within the body, chiefly in the heart or lungs.--> **Stethoscope**

Q.65)- Proboscis gland for excretion is present in the phylum:--> **Hemichordata**

Q.66)- Which causative agent causes the disease of malaria?--> **Parasite**

Q.67)- Which of the following diseases marked by dementia, diarrhoea, and dermatitis, is also known as 'the three Ds'?--> **Pellagra**

Q.68)- Tiny pores present on the surface of leaves are known as:--> **stomata**

Q.69)- A type of asexual reproduction in which new plants are produced from roots, stems, leaves and buds are known as:--> **vegetative propagation**

Q.70)- In animal cells, which of the following are the cell's 'garbage disposal'?--> **Lysosomes**

Q.71)- Who among the following got the 2018 Nobel Prize in Physiology or Medicine for launching an effective new way to attack cancer by treating the immune system rather than the tumour?--> **James P Allison**

Q.72)- Which gland produces Cortisol often known as a 'stress hormone' in humans?--> **Adrenal gland**

Q.73)- Which among the following is a biotic component of an ecosystem?--> **Grass**

Q.74)- Which tissue is responsible for the flexibility in plants?--> **Collenchyma**

Q.75)- Which organism among the following breaks down the food material outside the body and then absorbs it?--> **Yeast**

Q.76)- Which bacterium is responsible for peptic ulcers?--> **Helicobacter pylori**

Q.77)- _____ contains an enzyme called lingual lipase, which breaks down fats.--> **Saliva**

Q.78)- _____ contains an enzyme called lingual lipase, which breaks down fats.--> **Saliva**

Q.79)- What is the network of air tubes for gas exchange in insects?--> **Tracheae**

Q.80)- Energy and carbon requirements of the autotrophic organism are fulfilled by _____.--> **photosynthesis**

Q.81)- Which part of the digestive system receives secretions from the liver and the pancreas?--> **Small intestines**

Q82)- Plants release water into the air by the process of _____.--> **transpiration**

Q.83)- The human shoulder joint is an example of a _____ joint.--> **ball and socket**

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Q.84)- Which of the following causative agents causes the disease Ebola?--> **Virus**

Q.85)- Which of the following diseases is caused by fungus?--> **Ringworm**

Q.86)- _____ are the oldest living tree species on Earth.--> **Bristlecone pines**

Q.87)- A/an _____ is any substance that causes your immune system to produce antibodies against it.--> **antigen**

## SSC GD 2020 (Exam held in 2021) Reasoning BIOLOGY (All Shifts) by Shubham Jain (RBE)

Q.1)- _____ is known as viticulture.--> **cultivation of grapes**

Q.2)- Which of the following animals breathes through its skin?--> **Frog**

Q.3)- When the caterpillar is ready to enter the next stage of its life cycle called _____, it first weaves a net to hold itself.--> **pupa**

Q.4)- Which of the following diseases is caused by the deficiency of haemoglobin?--> **Anemia**

Q.5)- Which of the following statements is INCORRECT?--> **Saliva contains an enzyme called salivary lipase that breaks down starch into simple sugar.**

Q.6)- Which of the following parts of the human body contains gustatory receptors?--> **Tongue**

Q.7)- A sphygmomanometer is used to measure which of the following?--> **Blood pressure**

Q.8)- What is the dominant substance that makes up the hair, nails and the top layer of skin in the human body?--> **Keratin**

Q.9)- Which of the following is NOT an abiotic component of the eco system?--> **Living organisms**

Q.10)- _____ is secreted by the pineal gland.--> **Melatonin**

Q.11)- Which process is used by the unicellular freshwater organisms and most plant cells to take in water?--> **Osmosis**

Q.12)- Which scientist among the following coined the term 'protoplasm' for the fluid substance of the cell?--> **Purkinje**

Q.13)- Which of the following is a conventional source of energy?--> **Firewood**

Q.14)- Which of the following terms is used for species which are NOT the natural inhabitants of the local habitat, but are introduced into the system?--> **Exotic**

Q.15)- Which of the following diseases is caused by a virus transmitted primarily by Aedes mosquitoes?--> **Zika fever**

Q.16)- What do you call the process of change in the base pair sequence of an organism?--> **Mutation**

Q.17)- Robert Hooke discovered the cell in 1665 by observing a _____ under a microscope.--> **piece of cork**

Q.18)- Which of the following is NOT a cause of food and water contamination?--> **Bites by stray animals**

Q.19)- The scientific study of the structure, nature and ecological distribution of animals is called _____.--> Zoology

Q.20)- What is the science related to soil management and crop rotation, weed and pest control and the study of climate which plays an important role in crop growth and food production called?--> Agronomy

Q.21)- The process of development of an area through conservation and regeneration of degraded ecosystem and ecological stability is called _____.--> Eco-development

-Development

Q.22)- How many pairs of chromosomes are present in human beings?--> **23**

Q.23)- Which of the following is an inactive Vitamin-D?--> Ergocalciferol

Q.24)- Which of the following is a serious mental illness that affects the way a person thinks, feels and behaves? --> Schizophrenia

Q.25)- Which of the following is an Arthropod?--> **Millipede**

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Q.26)- Which of the following statements about camels is INCORRECT?--> **They sweat a lot.**

Q.27)- Which of the following is paired CORRECTLY?--> **Pivotal joint: Neck–head**

Q.28)- Calcitonin hormone is released by which of the following glands in humans when the amount of calcium in the bloodstream is high?--> **Thyroid**

Q.29)- Which of the following is another name for Vitamin K1?--> **Phylloquinone**

Q.30)- Zika virus disease is mainly caused by a virus transmitted by _____ species of mosquitoes. --> Aedes

Q.31)- Small bead-like structures inside the ovary of a flower are called _____.--> **ovules**

Q.32)- The human eye is like a camera. Its lens system forms an image on a light sensitive screen called the _____.--> **retina**

Q.33)- _____ is the science that studies the structure of the body.--> **Anatomy**

Q.34)- Anopheles is a _____ which carries the parasite of malaria.--> **female mosquito**

Q.35) - What is that branch of agriculture called, which deals with garden crops - generally fruits, vegetables and ornamental plants? --> Horticulture

Q.36) - What is the study of biological events in plants and animals, such as flowering, leaf production, dormancy, reproduction and migration, etc. What is called?--> phenology

Q.37)- Which of the following microorganism causes citrus canker?--> Bacteria (Bacteria)

Q.38)- Dendron and axon are parts of the:--> nervous system

Q.39)- Eczema disease is related to which of the following part of the human body?--> Skin

Q.40)- Which of the following is NOT a sustainable method of waste management?--> **Burning**

Q.41)- Which of the following is a characteristic of 'Pteridophytes'?--> **They neither produce flowers or seeds.**

Q.42)- Which of the following is NOT a cold-blooded animal?--> **Rabbit**

Q.43)- The smallest and longest bones in the human body are _____ and _____, respectively.--> **stapes, femur**

Q.44)- Which of the following terms is NOT used in cricket?--> **Mid leg**

Q.45)- Which of the following word is not used in cricket?--> Mid leg

Chlamydomonas is an example of:--> **algae**

Q.46)- Herpes in humans is a:--> **viral disease**

Q.47)- A mature tropical cyclone is characterised by the strong spirally circulating wind around the centre, called the _____.--> **eye**

Q.48)- Which of the following is a multicellular organism?--> **Sponge**

Q.49)- Which of the following has been declared as one of the worst invasive species by the International Union for Conservation of Nature (IUCN)?--> **Giant African snail**

Q.50)- Rearing and maintenance of honey-bees and hives for honey is called _____.--> **apiculture**

Q.51)- Which of the following is a part of a flower?--> **Pistil**

Q.52)- Which of the following vitamin's deficiency causes rickets in children?--> **Vitamin D**

Q.53)- Protozoans are causative agents of _____.--> **malaria**

Q.54)- The disease scrub typhus is caused by a type of _____.--> **bacterium**

Q.55)- On which organ of the human body are adrenal glands located?--> **Kidneys**

Q.56)- Which part of the body is affected by epilepsy?--> **Brain**

Q.57)- The arteries divide into smaller vessels. On reaching the tissues, they divide further into extremely thin tubes called:--> **capillaries**

Q.58)- Oral Rehydration Solution (ORS) is recommended to a person suffering from _____.--> **diarrhoea**

Q.59)- Which of the following is a biodegradable form of solid waste?--> **Compost**

Q.60)- HIV is a virus that attacks the body's immune system. What is the full form of HIV?--> **Human immunodeficiency virus**

Q.61)- The human _____ loses its power of accommodation at old age.--> **eye**

Q.62)- Which of the following female mosquitoes acts as a carrier of dengue virus?--> **Aedes**

Q.63)- Which of the following forms the seed coat of a seed?--> **Integument**

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Q.64)- Which of the following is NOT known as a greenhouse gas?--> **Oxygen**

Q.65)- The scientific study of different aspects of plants is called _____.--> **botany**

Q.66)- How many times does blood pass through the heart of a fish in one cardiac cycle?--> **Once**

Q.67)- Amoeba pushes out one or more finger-like projections called _____ or false feet for movement and capture of food.--> **pseudopodia**

Q.68)- Musa paradisiaca is commonly known as _____.--> **banana**

Q.69)- The excessive quantities of chemicals which get washed from the fields act as nutrients for _____ to flourish.--> **algae**

Q.70)- Which of the following organs is related with the anatomy of the human eye?--> **Iris**

Q.71)- Hepatitis B is a life threatening _____infection.--> **liver**

Q.72)- Which of the following animals does NOT live in a burrow?--> **Tortoise**

Q.73)- Triglycerides are a type of _____.--> **Fat**

Q.74)- Which of the following is an insolvency prediction formula developed by Dr. Robert Altman?--> **Z-score**

Q.75)- Which of the following gases do plants need for photosynthesis?--> **Carbon dioxide**

Q.76)- Which of the following has seeds with two cotyledons?--> **Rose**

Q.77)- Adipose tissue is a type of _____ tissue in the human body.--> **connective**

Q.78)- Which of the following is NOT a unicellular organism?--> **Plants**

Q.79)- Which of the following bacteria helps in fixing atmospheric nitrogen?--> **Azotobacter**

Q.80)- Which of the following is NOT an example of a viral disease?--> **Plague**

Q.81)- Which of the following insects has a pigment called 'luciferin'?--> **Firefly**

Q.82)- Which of the following is a water-borne disease?--> **Cholera**

Q.83)- Which of the following terms is used to describe the outside layer of skin on the human body?--> **Epidermis**

Q.84)- Sorters in the Wool industry sometimes get infected by a bacterium called _____, which causes a fatal blood disease called 'Sorter's Disease'.--> **anthrax**

Q.85)- What is the other name for Riboflavin?--> **Vitamin B2**

## SSC CGL 2019 all Questions (BIOLOGY) By Shubham Jain (RBE)

Q.1 Red worms have a structure named _____ which helps them in grinding their food. Ans.**Gizzard**

Q.2 Prolific Indian painter Maqbool Fida Husain predominantly used which of these animals to depict a lively and free spirit in his paintings? Ans.**Horses**

Q.3 Which of these bones is NOT a part of the human ear? Ans.**Femur**

Q.4 Which of these words refers to the scientific study of domestic dogs? Ans.**Cynology**

Q.5 Which of the following glands is present between the lungs? Ans **. Thymus**

Q.7 In biological terms, _____ is a relationship between two organisms in which one organism benefits and the other is unaffected. Ans.**Commensalism**

Q.8 Xerophthalmia is caused due to the deficiency of vitamin _____. Ans**. A**

Q.9 Which part of the body is responsible for the manufacture of red blood cells? Ans**. Bone marrow**

Q.10 Jellyfish are an example of which type of phylum? Ans **Phylum - Cnidaria**

Q.11 Which of these is the energy conversion that happens in the process called photosynthesis? Ans.**Light energy to chemical energy**

Q.12 Chiropody is a branch of science related to which part of the body? Ans**. Feet**

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Q.13 Pernicious anaemia is caused by the deficiency of vitamin _____. Ans. **B12**

Q.14 Which of the following is NOT an ore of iron? Ans **. Cuprite**

Q.15 Which of the following diseases is NOT transmitted from one person to another? Ans. **Cirrhosis**

Q.16 Who performs the task of capturing oxygen in the blood? Ans. **Haemoglobin**

Q.17 Which of the following is a natural flame retardant? Ans. **DNA**

Q.18 Which of the following is the primary sex organ in females? Ans. **Ovary**

Q.19 Which among the following is the food tube? Ans. **Oesophagus**

Q.20 The scientific study of a cell is called: Ans **. cytology**

Q.21Which of the following can be diagnosed with the Widal test? Ans. **Typhoid fever**

Q.22 Who discovered cells in the human body? Ans. **Robert Hooke**

Q.23 Which of the following is caused by a virus named 'Varicella zoster'? Ans **. Chickenpox**

Q.24 Which of the following animals does NOT find a place in the National Emblem of India? Ans. **Camel**

Q.25 How many molecules of ATP are obtained by the respiration of one molecule of glucose? Ans. **2**

Q.26 Which among the following is a non-biodegradable waste? Ans. **Plastic**

Q.27 Christiaan Barnard is famous for: Ans. **performing the world's first human heart transplant**

Q.28 Snails belong to Phylum: Ans. **Mollusca**

Q.29 Haemophobia is the fear of: Ans. **blood**

Q.30 The Mission Indradhanush, an initiative of Govt. of India, is associated with: Ans **. immunisation**

Q.31 Crocodiles have a _____ chambered heart. Ans. **four**

Q.32 Which of the following is used as a substitute of mercury in thermometers? Ans. **Galinstan**

## SSC CHSL 2019 all Questions (BIOLOGY) By Shubham Jain (RBE)

Q.1)- The human saliva contains an enzyme called salivary _____ that breaks down starch, a complex molecule, into sugar.--> **protease**

Q.2)- Prokaryotic cells are found in which of the following animal kingdom?--> **Monera**

Q.3)- Proteins are made up of how many amino acids?--> **20**

Q.4)- Which of the following types of organisms have open circulatory system?--> **Mollusca**

Q.5)- Which of the following is the vaccine which has been developed by CSIR, Ministry of Science and Technology, through which vaccination of sheep, goats, infected with Johne's disease, Milk and meat production can be increased by making cow and buffalo disease free?--> **JD Vaccine**

Q.6)- Carbon and energy requirements of autotrophic organisms are fulfilled by the process of:--> **Photosynthesis**

Q.7)- 'Leukopenia' is an abnormal _____.--> **decrease in white blood cells**

Q.8)- Pineapple is a _____ plant.--> **Xerophyte**

Q.9)- Which of the following organs are NOT parts of the Alimentary canal?--> **Liver and pancreas**

Q.10)- The sino-artrialnode is located in the _____.--> **heart**

Q.11)- Name the first Chief Scientist of the public health division at the World Health Organisation.--> **Dr. Soumya Swaminathan**

Q.12)- Locomotion in _____ takes place with the help of a muscular foot.--> **snails**

Q.13)- Which of the following virus causes influenza disease?--> **Mixovirus**

Q.14)- Which of the following is not unicellular? --> **Spirogyra**

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Q.15)- Which of the following cell organelles is responsible for the storage, modification and packaging of products in vesicles?--> **Golgi apparatus**

Q.16)- Chiropody is a branch of science related to which part of the body?--> **Feet**

Q.17)- Flagella are the hair-like structures which act as organelles of locomotion in which of the following organisms?--> **Bacteria**

Q.18)- Which of the following is a water soluble vitamin?--> **Vitamin C**

Q.19)- _____ is the tube that carries urine from the kidney to the urinary bladder.--> **Ureter**

Q.20)- Vitamin B Complex consists of how many vitamins?--> **8**

Q.21)- Which tissue has heavily thickened lignified walls?--> **Sclerenchyma**

Q.22)- _____ is the term used for breeding of fish in specially constructed tanks and ponds.--> **Pisciculture**

Q.23)- Which of the following is a disease caused by protozoa?--> **Kala azar**

Q.24)- Which causative microorganism is responsible for the common cold and influenza (flu)?--> **Viruses**

Q.25)- Which part of a plant cell traps sunlight to make sugar?--> **Chloroplast**

Q.26)- The Atrial wall of the human heart secretes a very important peptide hormone. What is the name of that hormone?--> **ANF**

Q.27)- What disease is caused by insulin deficiency?--> **Diabetes mellitus**

Q.28)- Which of the following parts of the human body releases carbon dioxide, brought in by the blood, from the rest of the body?--> **Alveoli**

Q.29)- Which of the following eye disorders is known as 'lazy eye'?--> **Amblyopia**

Q.30)- How many parathyroid glands are present on the back side of the thyroid gland in humans?--> **Four**

Q.31)- Which of the following blood groups is called the 'Universal Receiver'?--> **AB+**

Q.32)- The inner walls of small intestine have thousands of finger-like outgrowths. These are called:--> **Villi**

Q33)- Which of the following carries blood from the heart to the kidneys?--> **Renal artery**

Q.34)- In which part of a plant are mesophyll cells found?--> **Leaf**

Q.35)- Deficiency of thiamine results in _____.--> **Beriberi**

Q.36)- Which of these is an excretory organ of the human body?--> **Skin**

Q.37)- Which of the following is a group of bacteria found in human intestines, whose presence in water indicates contamination by disease-causing microorganisms?--> **Coliform**

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Q.1)- Which of the following is a macromineral needed in large amounts by the human body?--> **phosphorus**

Q.2)- The deficiency of _____ leads to Kwashiorkor.--> **protein**

Q.3)- Of the following birds, which one lays the largest egg?--> **Ostrich**

Q.4)- Malus domestica is the scientific name for the:--> **apple tree**

Q.5)- _____ is/are the hardest tissue(s) in the human body.--> **Tooth enamel**

Q.6)- Which of the following is an enzyme that works as a meat tenderiser?--> **Papain**

Q.7)- Name the social reformer who was regarded as the 'foundational philosopher of modern nursing'.--> **Florence Nightingale**

Q.8)- Which of the following is incorrect for the class Aves of the animal kingdom?--> **They have a two-chambered heart**

Q.9)- _____ is the inflammation of joints due to the accumulation of uric acid crystals.--> **Gout**

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Q.10)- मेन कून (Maine Coon), रागडोल (Ragdoll) और सोमाली (Somali) किसकी नस्लें हैं?--> **बिल्ली की**

Q.11)- An offspring of a female tiger and a male lion is called:--> **liger**

Q.12)- The extreme fear of medical procedures involving injections or hypodermic needles is called:--> **trypanophobia**

Q.13)- The bones of the _____ include the humerus, radius, ulna, carpals and metacarpals.--> **forelimb / upper limb**

Q.14)- Octopuses have _____ heart(s).--> **three**

Q.15)- Which of the following is a natural sweetener?--> **Sucrose**

Q.16)- Anemophily refers to pollination by _____.--> **wind**

Q.17)- Osteoporosis and arthritis affect the _____.--> **bones and joints**

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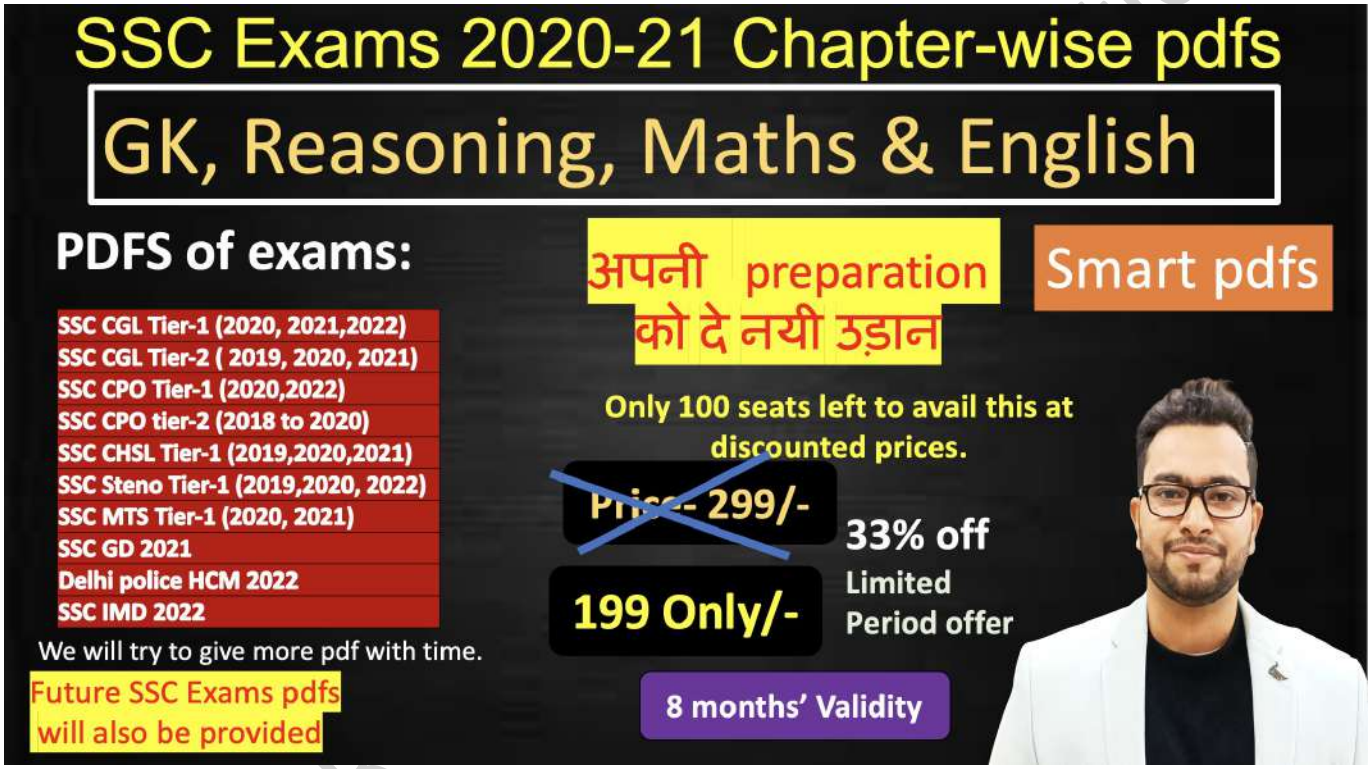
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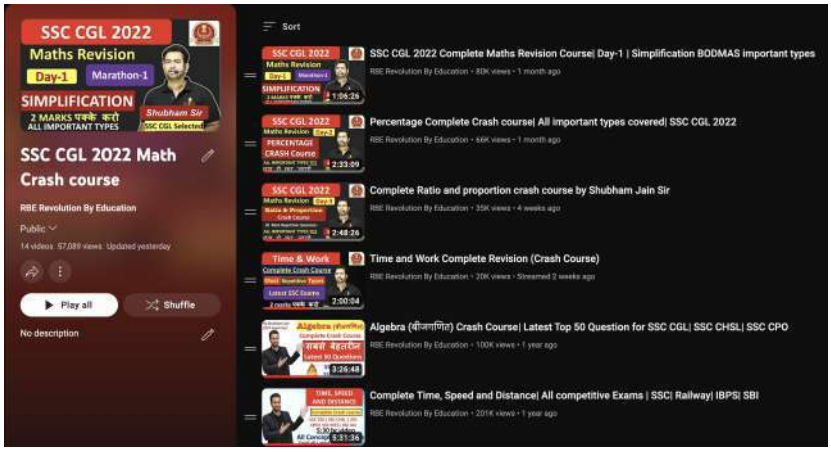
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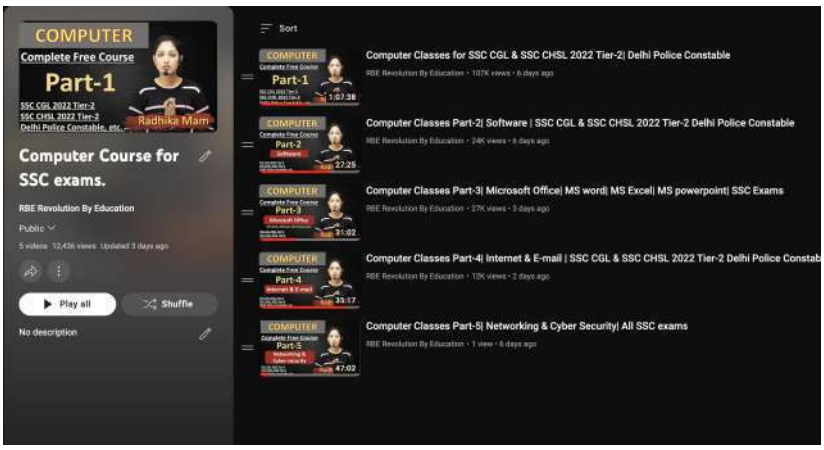
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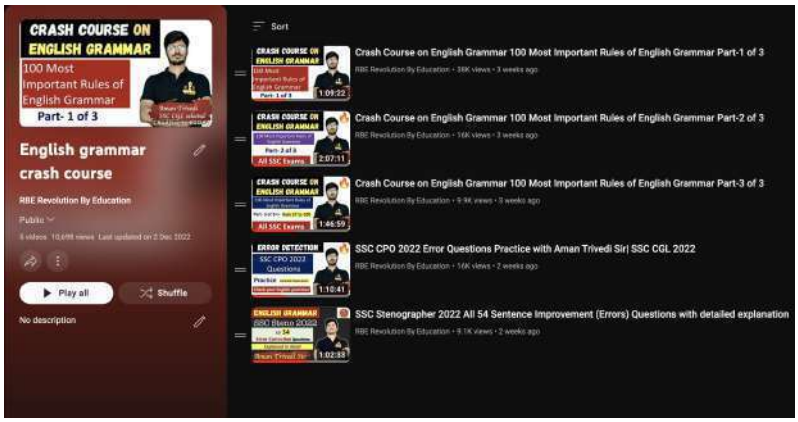
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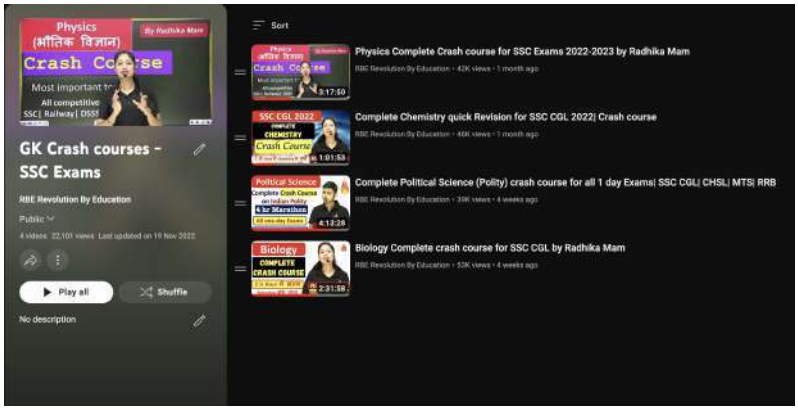
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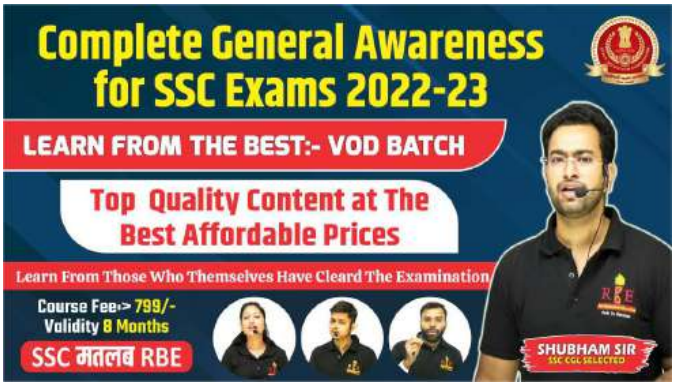
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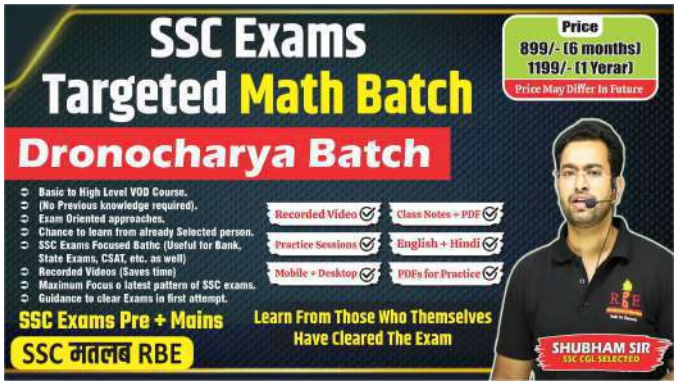
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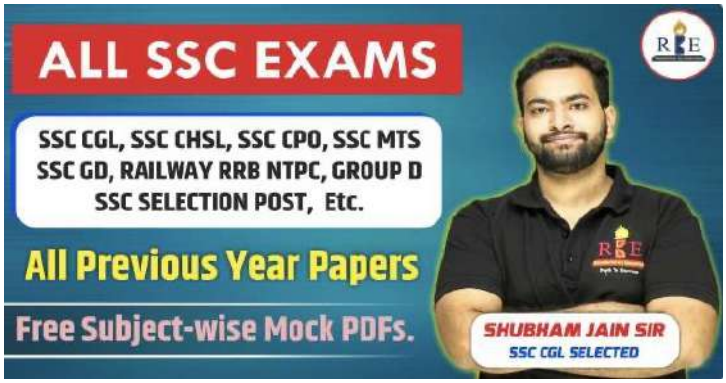
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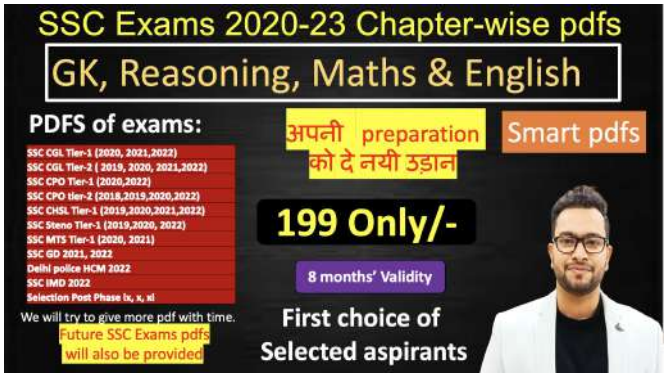
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